MaluSim Carbohydrate Model*

Simulation location: Tyro, VA
Forecast Data: Piney River, VA
(Central Virginia Fruit Growing Region)
Simulation date: 4 May 2015 12:30PM

Greg Peck

*Developed by Drs. Alan Lakso and Terence Robinson, Cornell University
Tyro, VA
4 May 2015

National Weather Service forecast (Piney River, VA)
MaluSim Carbohydrate Model for Tyro, VA
4 May 2015

Daily 2+4-day Running Average

Silver Tip
Full Bloom

National Weather Service forecast
Interpreting the MaluSim Model: look for three-to four-day trends

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

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

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Also H. Smith Jr., Agriculture Research and Extension Center

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