MaluSim Carbohydrate Model*

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

Greg Peck

*Developed by Drs. Alan Lakso and Terence Robinson, Cornell University
Winchester, VA
May 9, 2013

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

Silver Tip
Pink
Petal Fall

7.2 mm

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MuluSim Carbohydrate Model for Winchester, VA
May 9, 2013 930am

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

Silver Tip
Pink
Petal Fall
7.2 mm

Day 1: Silver Tip
Day 2: Pink
Day 3: Petal Fall

Intellicast.com forecast

4-day Running Average

7.2 mm
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)