Raynox Plus® Sunburn Protectant – A Clear Solution to Sunburn Control

Raynox Plus® protects fruit from sun damage by forming a thin, clear, natural wax layer that blocks damaging UV rays from harming fruit. The clear coating of Raynox Plus® has many benefits:

- Significantly reduces the damaging effects of solar radiation on fruit
- Does not affect fruit color development or photosynthesis
- Allows for color-picking
- No cleanup of white residue in calyx and/or stem ends

### Apple Variety Susceptibility to Sunburn

<table>
<thead>
<tr>
<th>Susceptible</th>
<th>Moderately Susceptible</th>
<th>Tolerant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granny Smith</td>
<td>Fuji</td>
<td>Cripps Pink</td>
</tr>
<tr>
<td>Honeycrisp</td>
<td>Gala</td>
<td></td>
</tr>
<tr>
<td>Jonagold</td>
<td>Golden Delicious</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Red Delicious</td>
<td></td>
</tr>
</tbody>
</table>

### Raynox Plus® on Apple – 2014

% Fruit with Sunburn Symptoms

<table>
<thead>
<tr>
<th>Variety</th>
<th>Apps</th>
<th>Sunburn Symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honeycrisp/CT</td>
<td>2</td>
<td>1.5</td>
</tr>
<tr>
<td>Honeycrisp/MI</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Cortland/MA</td>
<td>2</td>
<td>1.3</td>
</tr>
<tr>
<td>Macoun/MA</td>
<td>2</td>
<td>1.0</td>
</tr>
<tr>
<td>Empire/NY</td>
<td>2</td>
<td>5.8</td>
</tr>
</tbody>
</table>

* Summer Pruned
How To Use

Rate
2.5 gallons/acre of Raynox Plus

Timing
Start applications before conditions exist for sunburn and continue applications as fruit expands and conditions exist for sun damage.

To protect exposed fruit following summer pruning, apply Raynox Plus immediately before and after pruning.

Typical spray schedule:
• First application: 7 weeks after full bloom (WAFB)
• Second application: 8 to 9 WAFB
• Third application: 11 to 12 WAFB
• Fourth application, if needed: 15 to 16 WAFB

Method
Airblast sprayer – best results with Y-boom sprayer attachment

Spray volume
50 to 100 gal/acre

Tank mixes
Data concerning the compatibility of tank mixing Raynox Plus with other agricultural compounds is not available. Tank mixing Raynox Plus with any other product, including pesticides, foliar nutrients, water conditioners and adjuvants shall be at the exclusive risk of the user, applicator and/or application advisor. Note: DO NOT USE Raynox™ Water Softener with Raynox Plus.

Other Important Information

• Raynox Plus is morpholine free.

• For best results:
  o Apply full rate of Raynox Plus at 50% spray volume to sunny side of rows with Y-boom sprayer (ask your Valent representative for more information on the Y-boom sprayer attachment)
  o Run sprayer at 2 mph
  o Apply under slow drying conditions; early morning, evening, low wind and humidity
  o Air temperature during application should not exceed 85°F
  o Allow at least 1 hour after spray solution has dried before using overhead cooling or a rain event

• Always store in a cool, dry place above 45°F but away from direct sunlight.

• DO NOT USE Raynox Water Softener with Raynox Plus.