

# **FOR SUPPRESSION OF PREHARVEST FRUIT CRACKING IN 'STAYMAN' APPLES**

## General Information

### GENERAL INFORMATION

- Novagib 5L is a plant growth regulator for use on apples and sweet cherries.
- Novagib 5L improves the quality of harvested apples by reducing physiological russetting of the fruit.
- Novagib 5L may increase fruit weight.
- Novagib 5L may only reduce russetting caused by climatic factors affecting the fruit during the first 30-40 days of development. NOVAGIB 5L will not reduce russetting caused by other factors (e.g., pest, disease or chemical action).
- Novagib 5L improves the fruit size of sweet cherries.
- Apply Novagib 5L using conventional spray application machinery or as otherwise directed in this label.
- Do not apply to low vigor trees, or trees under stress from drought, winter injury, etc.
- Apply under calm weather conditions, as a uniform fine mist spray, so that 85% of the spray volume is directed into the upper 2/3 of the trees.
- Use a properly calibrated sprayer to ensure uniform and complete coverage of all foliage and developing fruit. Spray volume should be adjusted for tree size and density. Do not apply in more than 200 gallons of water/acre, preferably use less than 100 gallons of water/acre.
- Do not apply when the air temperature is lower than 40°F or greater than 90°F.
- Novagib 5L works best if climatic conditions allow an extended drying period. Consider application in the morning or evening when temperatures are lower and humidity tends to be higher than during the day.
- Rainfall within 6 hours of application may reduce the efficacy of Novagib 5L.

### Restrictions

- Novagib 5L must not be applied using irrigation equipment.
- Do not apply in water volumes greater than 100 gallons/acre to reduce the risk of russet caused by the spray water.
- Do not add any kind of wetting adjuvant or surfactant unless you are sure of its crop safety. Materials of this type have been shown to cause russetting.

- For apple russetting, do not apply more than 16 fl. oz. per acre per growing season.
- For cherries, do not apply more than 9.6 fl. oz. per acre per growing season.

## Limitations, Restrictions, and Exceptions

### SPRAYING GUIDE FOR SUPPRESSION OF PREHARVEST FRUIT CRACKING IN 'STAYMAN' APPLES

When used to suppress cracking of 'Stayman' apples, apply Novagib 5L in 3 – 6 consecutive applications. Make the first application of 6.4 – 12.8 fl. oz. in sufficient water to achieve good coverage of the fruit, 2 – 3 weeks before fruit cracking is expected to occur. This would normally be between mid-June and mid-July but will be affected by geography, climate and other factors. Repeat this at 14 – 21 day intervals. The use of the higher number of applications at the higher rates with the shorter time interval gives the strongest suppression of cracking. In general, at least 4 applications are required for best cracking suppression.

- There are many factors that affect cracking in 'Stayman' apples; therefore, the use of Novagib 5L does not guarantee that cracking will not occur. Use Novagib 5L as one part of a management program to produce the highest quality crop.
- Apply in conditions conducive of slow drying.
- Always refer to the partner product label when applying Novagib 5L in tank mixtures and follow all precautions and directions given. The efficacy of Novagib 5L may be reduced by compounds causing a high pH in the spray tank.
- A non-ionic wetting agent can be used to improve coverage and enhance penetration.
- Application after cracking has started will greatly reduce the efficacy of Novagib 5L.

## Method

### [Spray](#)

### Restricted Entry Interval

4 hours

## Timings

[2 2 3 weeks before fruit cracking is expected to occur.](#)