

APPLES - FRUIT CRACKING SUPPRESSION

General Information

APPLICATION DIRECTIONS

Use only as directed. Read the label thoroughly and make sure it is understood before making applications. Do not apply this product through any type of irrigation system.

Use Instructions

ProVide 10 SG is a plant growth regulator developed for use in apples. The active ingredient in ProVide 10 SG is a mixture of the Gibberellins A4 and A7. Gibberellins are naturally occurring compounds found in most plants. ProVide 10 SG is formulated as a water soluble granule (SG) at a 10.0% w/w concentration. The following are the commercial uses for ProVide 10 SG.

Limitations, Restrictions, and Exceptions

APPLES

FRUIT CRACKING SUPPRESSION IN APPLES

General Information

ProVide 10 SG will reduce the incidence of fruit cracking experienced by some apple varieties during the summer months and close to harvest time. Fruit cracking is a physiological disorder associated with sudden growth flushes and variable availability of water to the trees. Some varieties such as Stayman are notorious for this disorder.

Other varieties prone to cracking have also been seen to benefit from this application.

Application Rate and Timing

Make 3 to 6 consecutive applications of 1.8 to 3.5 oz. (50-100 grams) of ProVide 10 SG in 50 gallons of water per half acre (25-50 ppm). Make the first application at

least two to three weeks before fruit cracking is likely to be observed in the orchard. Continue applications at 14 to 21 day intervals. Depending on geographical location and other factors influencing fruit cracking, the initial application will typically be made between mid-June and mid-July.

When conditions favor heavy cracking use the higher rate, the greater specified number of applications, and the closer specified spray intervals.

NOTE: Do not treat for cracking suppression apples that have received ProVide 10 SG applications to suppress russet during the same growing season.

Water Volume

Use sufficient water to achieve adequate coverage of the tree canopy without excessive runoff or dilution of the material. For most modern orchards, 50 gallons of spray solution per half acre will produce adequate coverage.

Important Considerations

1. Use data on past history of cracking as a guide for when the first application is to be made. If the material is applied after cracking has started, the effectiveness of the product will be greatly reduced.
2. Use of a nonionic surfactant, approved for food use, will improve spray coverage and enhance absorption.
3. Since ProVide 10 SG must be absorbed to be effective, best performance will be expected with good absorption conditions and healthy trees. Apply in early morning or late evening when conditions favor slow drying of the spray solution (high humidity, cool temperature, low wind).
4. Use a properly calibrated sprayer that insures uniform and complete coverage of all foliage and fruit. Adjust spray volumes to tree size and density.
5. Direct 85% of the spray volume to the upper two-thirds of the tree.
6. Rainfall within six hours after spraying has been seen to reduce the activity of ProVide 10 SG.
7. Compatibility: Limited data are available on the use of ProVide 10 SG with other pesticides. Do not tank mix ProVide 10 SG with other pesticides unless you have

personal experience with the mixture.

Method

[Spray](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

12 hours

Timings

[At least two to three weeks before fruit cracking.](#)