

# **GRAPES**

## General Information

### GENERAL INFORMATION

Willowood Frostguard is a spray concentrate of anti-frost materials which can be applied by air or ground prior to anticipated frost conditions.

Willowood Frostguard has been shown to afford some protection within several hours after application, however, best results require application 24 to 48 hours before frost conditions occur.

**IMPORTANT:** Willowood Frostguard is a tool to help reduce damage from frost. Its use is recommended in conjunction with sound cultural and management practices. The use of Willowood Frostguard on unhealthy plants and/or the misuse of Willowood Frostguard may produce deleterious results. Willowood Frostguard should not be applied to runoff as phytotoxicity may occur.

### CAUTION

- Do not apply within 7 days of any basic copper formulation
- Do not use on varieties that are known to be or suspected of being susceptible to zinc phytotoxicity.
- Do not use on water stressed or diseased crops or on crops which have been subjected to recent frost conditions.
- It is best to apply Willowood Frostguard alone, however, if it is to be tank mixed, conduct field test prior to broad scale use.
- Do not use spray adjuvants with Willowood Frostguard.
- For deciduous crops, caution should be used if application is to be made during full bloom. Consult farm chemical supplier for information on crop sensitivity.
- Do not exceed 15% concentration of this material in water.

- Consult your farm chemical supplier for information on varietal sensitivities.
- Because of the hygroscopic/systemic properties of Willowood Frostguard, this product should not be used in close time proximity to compounds containing metals or materials which are not designed to be taken into the plant. Consult with the manufacturer of your chemical regarding the compatibility of their product when used near the application time of Willowood Frostguard.
- Due to the variability within species in application techniques and in climatic conditions, neither the manufacturer nor the seller has determined whether or not Willowood Frostguard can safely be used in combination with or near the application time that the user conduct a limited field prior to broad scale use to determine the suitability of Willowood Frostguard on the crop under local conditions.

#### IMPORTANT INFORMATION ON BACKPACK SPRAYER OR BANDED APPLICATION

**Backpack Sprayers:** When applying with backpack sprayer, there are several important things to remember: When using a backpack sprayer, it is important to use an even, consistent spray pattern. There is a danger of over spraying or under spraying when using this type of equipment. Try to duplicate the type of coverage which would be applied if an aerial or broadcast application was being done. Do not use backpack spray equipment which has been used for herbicide application. Always use an approved tank cleanser to clean a backpack sprayer both before and after applications.

**Banded Applications:** To apply in a banded or strip spray pattern, always adjust the per acre rate down to the appropriate amount of spray mix for the actual sprayed or treated acreage. For most crops, the label rate for is for broadcast or aerial application. Banded applications take less material and the actual needed material must be determined before spraying. A banded application may be used for newly planted row crops or for vegetable crops. For new transplants, the label rates given for a "sprayed acre," first determine the amount of area actually to be sprayed. For instance, if the area is to be sprayed represents only one-fourth of the total area of an acre, then one "sprayed acre" will represent four field areas.

**Example:** For a rate of 3-4 quarts per acre, applied in a 12-inch band, 40 inches between rows, calculate the proper rate for a band application as follows: Divided the sprayed row width by the unsprayed inches between the crop rows, multiply by

the label rate and you will have the adjusted rate for a sprayed acre banded application. OR

12 inches x 4 quarts =1.2 quarts

40 inches

Limitations, Restrictions, and Exceptions

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Repeat applications can be made at 7-14 day intervals until frost danger is past.

NOTE: Certain varieties of grapes may be sensitive to application and may develop slight phytotoxic symptoms.

Method

[Band](#)

[Spray](#)

Rates

[field\\_rates 0](#)

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Timings

[Between bud break and 6th leaf \(12-inch shoot growth\) but prior to frost conditions.](#)