

## **FOR USE ON GRAPES**

### General Information

### USE INSTRUCTIONS

Grapes may be damaged by use of this product, which contains sulfur, under certain climatic conditions such as when temperatures are high. NUFARM AMERICAS INC. does not recommend application if temperature will exceed 90°F within the three days following spraying, due to the risk of crop injury. Do not use on any other crops. Do not allow spray to drift into sulfur-sensitive crops such as apricots, cranberries and spinach; and d'Anjou pears during growing season.

Do not use within two weeks of an oil spray treatment, except for Dormant, Delayed Dormant, or Post harvest applications with suitable oil. Spreaders/stickers are not required for use with this product. If spreaders/stickers are used with this product, foliar injury may be enhanced under high temperatures. NOTE: The application rates specified for grapes is the maximum that may be applied. This rate may be reduced if experience or local practice indicates that lesser rates are effective. Consult State Agriculture Experiment Station or State Extension Service Specialist for rates recommended in your local area.

### NUTRIENT USE

Product application will provide sulfur needed to meet the plant's nutrient requirements and should be considered for use in total nutrient applications. Consult your State Agricultural Experiment Station or Extension Specialist for advice in selecting treatments that best fit local conditions.

### APPLICATION INSTRUCTIONS

Apply through any type of handheld, knapsack, mechanical or pneumatic spraying equipment.

**MIXING:** Pour the required amount of this product into the indicated amount of water while stirring. This product disperses instantly.

Concentrated Application:

Vineyard: Specified rate in 20 to 100 gallons of water per acre.

Aerial Application:

Vineyard: Specified rate in 10 to 20 gallons of water per acre.

## RESISTANCE MANAGEMENT

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area.

This product contains a Group 4A insecticide called imidacloprid. Insect biotypes with acquired or inherent tolerance to group 4A products may eventually dominate the insect population if Group 4A products are used repeatedly as the predominant method of control of targeted species. This may eventually result in partial or total loss of control of those species by this product and other Group 4A products.

The active ingredient in this product (imidacloprid) is a member of neonicotinoid chemical group. Avoid using a block of more than three consecutive applications of this product and/or other Group 4A products having the same or similar mode of action. Following a neonicotinoid block of treatments, Nufarm strongly encourages the rotation to a block of applications with effective products of a different mode before using additional applications of neonicotinoid products. Use a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying an insect's pest's ability to develop resistance to this class of chemistry.

Foliar applications of this product or other Group 4A products from the neonicotinoid chemical class should not be used on crops previously treated with a long-residual, soil-applied product from the neonicotinoid chemical class.

Other Group 4A, neonicotinoid products used as foliar treatments include: Actara, Assail, CALYPSO, Centric, Clutch, Couraze, Gallant, Impulse, Intruder, LEVERAGE, Pasada, Provado, TRIMAX Pro and Venom. Other 4A Group, neonicotinoid products used as soil treatment include: ADMIRE Pro, Advise, Alias, Belay, Couraze, Cruiser, Gaucho, Macho, Macho Max, Platinum, Venom and Widow.

Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org/>.

Limitations, Restrictions, and Exceptions

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- Apply throughout the season at a minimum 14 day interval. Thorough coverage is required.

NOTE: Use with caution on Concord or Labrusca type grapes as injury can occur after bloom.

Method

[Broadcast/Foliar Air](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

24 hours

Timings

[Throughout the season.](#)

[In the late dormant stage or at cutworm spray in early shoot period.](#)