

CONIFERS IN NURSERIES - FOLIAR APPLICATION

General Information

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VITAL is a systemic product, which contains potassium phosphite (phosphonate). The phosphonic anion is effective in prevention and control of diseases caused by Peronospora, Phytophthora and Pythium, by fungicidal activity and activation of the plants' natural resistance mechanism. VITAL is intended for use as part of an Integrated Pest Management (IPM) system. When used in conjunction with good cultural management practices and as part of a complete disease control program, VITAL will control downy mildew, Phytophthora, Pythium and Xanthomonas campestris. In order to achieve maximum results in controlling the disease, carry out spraying before the appearance of the disease or when disease is first observed. Initiate applications when environmental conditions are favorable for disease development.

Compatibility:

VITAL is believed to be compatible with most commonly used pesticides. Consult specific product labels for additional information. Conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test: Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank.

Test the tank-mix combinations on a small number of plants before treating large areas, as the sensitivity of plants to these mixtures may vary.

VITAL has been evaluated for phytotoxicity on a large variety of plants under various normal field conditions. However, testing all plant species, in all mixtures and combinations is not feasible. Where feasible, test for phytotoxicity a small

portion of the area to be treated, prior to treating the entire area.

Important:

Do not apply on plants when they are under water stress, or during severe weather conditions such as high or very low temperatures.

Limitations, Restrictions, and Exceptions

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Application Interval: 14 days

Spray to wet using no more than 400 gallons per acre.

Use the higher rate when conditions favor disease development and/or with increased disease pressure.

Method

[Foliar spray](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

4 hours

EXCEPTION: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

[When conditions are favorable for the development of disease.](#)