

GREENHOUSE ORNAMENTAL PLANTS EXCEPT CUT FLOWERS

General Information

GENERAL INFORMATION

Hachi-Hachi insecticide is an emulsifiable concentrate containing 1.25 lbs of active ingredient per gallon. This product is a contact insecticide used for the control of various insects. Hachi-Hachi insecticide should be used in a program with other products to provide season long protection. Apply as a spray as directed in the Application Directions section of the label.

GENERAL USE LIMITATIONS AND PRECAUTIONS

Indoor Greenhouse Use on Ornamental Crops

- Do not apply to *Salvia* spp., *Impatiens* spp., *Gypsophila* spp. and New Guinea impatiens due to potential crop injury.
- Do not apply to Poinsettias with bracts in color.
- In Florida, do not use on bearing or nonbearing commercial fruit trees and vines.
- Do not apply this product through any type of irrigation system.
- Do not apply this product as a smoke or aerosol.
- Do not apply this product to plants used for food or animal feed.
- Do not apply to fruit trees and vines that will bear harvestable fruit within 12 months.

Indoor Greenhouse Use on Ornamental Crops

Hachi-Hachi insecticide is recommended for use on indoor greenhouse use on several ornamental plants. The use directions of this product are based on the results of product testing programs on a wide variety of ornamental plants. However, it is impossible to test this product on all species and cultivars. The phytotoxicity of Hachi-Hachi insecticide has been assessed on a wide variety of common ornamental plants with no phytotoxic effects. However, not all plant

species and their varieties and cultivars have been tested with possible tank mix combinations, sequential pesticide treatments, and adjuvants and surfactants. Local conditions also can influence crop tolerance and may not match those under which testing has been conducted. Therefore, before using Hachi-Hachi insecticide, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

Hachi-Hachi insecticide works primarily through contact action, so good spray coverage is necessary for control of listed insects on the label. Applications should be made immediately after the spray solution is prepared. Under severe insect pressure, use the maximum rates and the shorter spray interval as specified on the label. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly. Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs.

Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. A wetting agent or other spray adjuvant, approved for use on the crop, may be added to spray solutions according to the manufacturer's use instructions to achieve optimum control.

Hachi-Hachi has been tested on a wide variety of common finished greenhouse crops (listed below). For greenhouse crops not listed below and all young herbaceous crops, such as bedding plant plugs, the user should test the tolerance of Hachi-Hachi on a small area under their local conditions and observe treated crops for 4 to 7 days prior to broad scale use.

Limitations, Restrictions, and Exceptions

Greenhouse ornamental plants EXCEPT cut flowers

- The maximum single application rate is 0.45 to 1.36 lb a.i./acre (139 fl oz/A) or 0.31 lb a.i. per 10,000 square feet.
- Apply no more than 100 gallons of spray solution per 10,000 square feet per application.
- 100 gallons of finished spray solution will typically cover 20,000 square feet of

greenhouse.

- Apply no more than 2 applications per crop cycle.
 - Do not apply more than 4 applications per year.
 - Apply no more than 64 fl. oz. per 10,000 square feet per crop cycle.
 - Allow at least 10 days between applications.
 - Apply in sufficient water to obtain complete coverage of all plant parts.
- Applications may be made with high volume or low volume ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage.

Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.

List of Plant Species Tested for Tolerance to Hachi-Hachi Insecticide: Local conditions can influence crop tolerance and may not match those under which these species were tested. Before using Hachi-Hachi insecticide, test the product on a small sample of the crop to be treated.

Petunia: Direct sprays of Tolfenpyrad 15EC to blooms of some species of Petunia at higher use rates may cause phytotoxicity to existing blooms.

Poinsettia: Do not apply to Poinsettias with bracts in color.

Temporary phytotoxicity may occur to some species of Ageratum, Colocasia, Geranium, Lobelia, Pansy (flowers) Verbena, and Vinca. Users should test the tolerance of Hachi-Hachi under their local conditions and observe these crops for 4 to 7 days prior to broad scale use.

Do not apply Tolfenpyrad 15EC to Salvia spp., Impatiens spp., Gypsophila spp. and New Guinea Impatiens due to potential crop injury.

Method

[Spray](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[N. A.](#)