APHIDS, THRIPS AND WHITEFLIES

General Information

GENERAL INFORMATION

This product contains the active ingredient abamectin which mixes readily with water for control of leafminers and mites on ornamental plants. This product also acts to suppress whiteflies, thrips and aphids, is applied as a foliar spray and must be mixed in enough water to ensure thorough coverage of the foliage.

RESISTANCE MANAGEMENT

To avoid development of resistance to this product, use resistance management practices. A number of options exist to prevent resistance including the use of other insecticides/miticides with different modes of action, alternating the use of the same product in treating successive generations of insects, applying at the use rate and spray intervals specified on the product label, non-chemical alternatives, rotation of susceptible to non-susceptible plants, etc. Consult your State Cooperative Extension Service for assistance with these or other resistance management strategies.

Liriomyza leafminers resistance can be managed by making three applications of this product followed by three applications of a registered alternative insecticide with a different mode of action; then return to making this product or an alternate insecticide. Rotation of insecticides should be timed so that this product is not applied to successive generations of this pest.

RESTRICTIONS

- Roses, chrysanthemums, and gerbera are primary hosts of mites and Liriomyza leafminers which this product effectively controls. Attempts to use this product to suppress aphids, thrips, and whiteflies on ornamental plants leads to resistance in mites and Liriomyza leafminers.
- DO NOT apply this product through any type of irrigation system.
- DO NOT apply by air.
- DO NOT use in citrus nurseries.
- Testing of this product has shown it to be safe on many ornamental species.
However, this product is not specified for use on ferns (e.g., Adiantum spp.) or Shasta Daisy (L. eucanthemeum spp.) to avoid the possibility of phytotoxicity.

Although this product has been found to be safe to use on most ornamental species, it is not possible to test all possible spray combinations of this product mixed with different adjuvants and surfactants. Spray mixtures should be tested by applying to a few plants and evaluating the ornamentals for phytotoxicity prior to using that spray mixture on a commercial scale.

Limitations, Restrictions, and Exceptions

DIRECTIONS FOR USE ON SHADEHOUSE, GREENHOUSE, AND FIELD-GROWN ORNAMENTALS, FOLIAGE PLANTS, CHRISTMAS TREES, AND OTHER WOODY ORNAMENTAL PLANTS

Application Timing

- Suppression of immature stages of these pests requires direct contact with the spray of this product.
- Make repeat applications at 7-day intervals for up to three weeks.
- Then use insecticides with modes of action different from this product for up to three weeks. Direct contact of the spray of this product can kill aphids, thrips and whiteflies.

Application Dilutions

- Apply this product in 100-200 gallons of water per acre. If the water volume must be greater for sufficient foliage coverage (ex., 400 gal.), use 4.0 fl. oz. per 100 gallons.
- Mix a minimum of 8 fl. oz of this product per Acre when water volumes are less than 100 gallons.
- Mix a minimum of 16 fl. oz of this product per Acre when water volumes are more than 200 gallons.

NOTE: DO NOT apply less than specified amount of this product. Mix with a sufficient volume of water to ensure thorough coverage of the plant. Read the section above on Resistance Management and comply with all label restrictions.

Addition of horticultural spray oil at concentrations of between 0.5 and 1.0% of the spray volume prolongs control of target pests infesting field-grown woody
ornamentals, landscape plants and Christmas trees. Make repeat applications as necessary at 7-day intervals to maintain control. To avoid damage to plants which are sensitive to oils, apply the spray mixture to a small number of plants and observe plants for two weeks before making applications on a large scale. Plants can also be damaged when using spray oils when temperature extremes occur. Carefully read and follow directions on the oil label. DO NOT exceed maximum use rates listed on either label.

Method
Foliar spray
Rates
field_rates 0

Restricted Entry Interval

12 hours

Timings
N.A.