

# TRIACT<sup>®</sup> 70

## Fungicide/Insecticide/Miticide



An American Vanguard Company

FOR INDOOR / OUTDOOR USE ON ORNAMENTAL FLOWERING PLANTS, TREES, SHRUBS, FOLIAGE, VEGETABLES AND FRUIT GROWN IN NURSERIES, GREENHOUSES, OTHER COVERED STRUCTURES, INTERIORSCAPES, AND LANDSCAPES

### Product Information Bulletin

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## GENERAL INFORMATION

**Triact 70** is 70% clarified hydrophobic extract of neem oil which can be applied to a wide variety of plant material. **Triact 70** provides fungicidal and insecticidal/miticidal activity.

**Common Name:** Clarified hydrophobic extract of neem oil (5.46 lbs. per gallon)

**Class:** Biopesticide

GROUP	NC	FUNGICIDE
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GROUP	UNE	INSECTICIDE
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**Packaging:** **Triact 70** is packaged in 2.5 gal. containers, 2 per case

## RESTRICTED ENTRY INTERVAL AND SIGNAL WORD

**REI:** 4 hours

**Signal Word:** Caution

## PERSONAL PROTECTION EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl-chloride (PVC) or Viton.
- Shoes plus socks

## USE SITES

**Triact 70** may be used both indoors and outdoors on ornamental flowering plants, trees, shrubs, foliage, vegetables, and fruit grown in nurseries, greenhouses, covered structures, interiorscapes, and landscapes.

## BENEFITS OF TRIACT 70

- Economical, highly-effective versatile fungicide, miticide and insecticide
- Curative properties as a fungicide
- Rotational tool in IPM program
- No known resistance as insecticide/miticide
- Can be used up to day of harvest

## FOR ORGANIC PRODUCTION



## MODE OF ACTION

### Fungicide

Fungal spores coated with **Triact 70** dehydrate, which stops the disease cycle. **Triact 70** is effective as a curative fungicide if applied early in the disease cycle, when conditions favor disease development but before major symptoms develop. **Triact 70** can arrest early disease development and prevent pathogen establishment. Thorough and uniform coverage with **Triact 70** provides both preventive and curative fungicidal activity.

Fungicide activity is by contact. Therefore, to protect new growth on ornamentals, trees and shrubs, multiple weekly applications of **Triact 70** may be needed.

**Diseases controlled:** Black spot on roses, powdery and downy mildews, anthracnose, rusts, leaf spot, botrytis, needle rust, scab; and flower, twig and tip blight.

### Miticide

**Triact 70** controls mite populations on ornamentals including spider mites (all stages), broad mites, and rust mites (adults and nymphs). **Triact 70** mode of action against mites is suffocation. Therefore, uniform coverage of the target pest gives best results. Mite egg populations are also controlled by drying out the egg capsule. **Triact 70** is safe to use on predatory mites.

### Insecticide

**Triact 70** controls aphids, whiteflies, and offers thrips suppression. The spray application acts as a suffocant and should be applied before populations reach thresholds of concern. Thorough coverage assures effective control.

## TANK MIXING

**Triact 70** is compatible with most commonly used fungicides, insecticides, and fertilizers. A small jar test is always advisable.

To mix **Triact 70**, fill spray tank to 1/2 capacity with constant agitation. Water temperature should be above 45° F. If water is below 45° F, mix in tepid water at a 1:1 ratio and add to spray tank.

**Note:** If mixing with dry flowables, water dispersible granules, and liquids other than emulsifiable concentrates, you should mix these first before adding **Triact 70**. Do not allow the solution to remain in the tank for more than 48 hours. Before mixing in your spray tank, test physical compatibility by mixing all ingredients in a small container in proportional amounts. Avoid tank mixes with oxythioquinox, captan, sulfur, chlorothalonil or other chemically similar products.

## APPLICATION RATES

**Triact 70** should be sprayed at 7 to 14 day intervals at a rate of 0.5% to 1.0%.

**EXAMPLE:** To achieve a 0.5% solution, mix 1/2 gal. (64 fl. oz.) **Triact 70** in 100 gal. water. For a 1.0% solution, mix 1 gal. (128 fl. oz.) **Triact 70** in 100 gal. water.

Use the 0.5% to 1.0% rate in the greenhouse on potted plants and flowering bench crops. For outdoor woody plants, the rate range is from 1.0% to 2.0% at 14-day intervals. Apply sufficient volumes of spray mix to provide thorough coverage of foliage.

**Triact 70** should be applied to the point of runoff. Hand spray equipment should be set at 25-40 psi. Power sprayers should be used as a fine spray at 100-200 psi.

**PHYTOTOXICITY:** **Triact 70** should be trialed first before widespread application to open blooms. Refer to label for precautions on tender foliage and flowers. Do not use **Triact 70** on poinsettias or impatiens flowers.

## Management of Landscape and Ornamental Diseases

Spray Target	Concentration	Spray Interval	Precautions
<b>Potted Plants</b> (Greenhouse)	<b>1:100 - 1:200</b> (1.0% - 0.5%)	14 days	Trial first on open blooms.
<b>Flowering Bench Crops</b> (Greenhouse)	<b>1:100 - 1:200</b> (1.0% - 0.5%)	7 - 14 days	Trial first on open blooms - not suggested for cut roses. Do not use on poinsettias.
<b>Outdoor Flowering Plants</b>	<b>1:50 - 1:100</b> (2.0% - 1.0%)	7 - 14 days	Do not spray impatiens flowers.
<b>Outdoor Woody Plants</b>	<b>1:50 - 1:100</b> (2.0% - 1.0%)	14 days	_____

**Timing:** Avoid spraying at times when bee activity is high. Spray in mornings or evenings when bee activity is minimal, as this product is toxic to bees when exposed to direct treatment.

Use of Triact according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the container of Triact. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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