

TRIACT[®] 70

Broad Spectrum Fungicide/ Insecticide/Miticide



FOR INDOOR / OUTDOOR USE ON ORNAMENTAL FLOWERING PLANTS, TREES, SHRUBS, FOLIAGE, GROWN IN NURSERIES, GREENHOUSES AND COMMERCIAL 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

Packaging: **Triact 70** is packaged in 2.5 gal. containers

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **4 hours**

Signal Word = **CAUTION**

PERSONAL PROTECTION EQUIPMENT (PPE)

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

USE SITES

Triact 70 may be used both indoors and outdoors on ornamental flowering plants, trees, shrubs, and foliage grown in nurseries, greenhouses, interiorscapes, and commercial 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
- Approved for use by the Organic Materials Review Institute (OMRI)

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**'s 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 oz.) **Triact 70** in 100 gal. water. For a 1.0% solution, mix 1 gal. (128 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.

Management of Landscape and Ornamental Diseases

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



PO Box 230, Mainland, PA 19451
 Technical Service: 800-356-4647
 www.ohp.com