



ABAMECTIN 0.15 EC

RAPID CONTROL OF MITES AND LEAFMINERS

Abamectin 0.15 EC is a highly effective miticide/insecticide that delivers reliable control of key arthropod pests in greenhouse and nursery ornamentals. With translaminar movement and contact activity, Abamectin 0.15 EC penetrates plant tissue to target pests feeding on both leaf surfaces, controlling spider mites and leafminers, and providing suppression of aphids, thrips, and whiteflies. Its unique mode of action causes rapid paralysis and feeding cessation, followed by mortality, making it a critical tool for resistance management and long-lasting pest suppression.

TECHNICAL DETAILS

Active Ingredient: Abamectin – 1.9%

Formulation: Emulsifiable concentrate (0.15 lbs ai/gal)

IRAC Group: 6

REI (Reentry Interval): 12 hours

Packaging: Available in quart and gallon containers

PEST CONTROL SPECTRUM

Mites: European red mite, two-spotted spider mite, carmine spider mite, southern red mite, spruce spider mite, cyclamen mite, broad mite, rust mite, and bud mite

Leafminers: boxwood leafminer and Liriomyza leafminers

Suppression: aphids, thrips, whiteflies

KEY FEATURES AND BENEFITS

Translaminar Movement

Moves into leaf tissue to reach mites and leafminers on both sides of the leaf surface.

Fast Knockdown with Residual Activity

Paralyzes pests shortly after exposure, resulting in feeding cessation and extended control.

Highly Effective on Mite and Leafminer Populations

Offers superior control of motile mite stages and active leafminer larvae.

Excellent Fit for IPM and Resistance Management

Unique mode of action (IRAC Group 6) is ideal for rotating with other chemistries to delay resistance.

Versatile Use Sites

Labeled for use on greenhouse, shadehouse, field-grown, and container ornamentals.

USE RATES FOR GREENHOUSE AND NURSERY ORNAMENTALS

	Application Rate (fl oz/100 gal)	Application Notes
Mites, including: European red mite Two-spotted spider mite Carmine spider mite Southern red mite Spruce spider mite Cyclamen mite Broad mite Rust mite Bud mite	4.0 ¹	Apply when mites initially appear, then repeat as needed to maintain control, typically on 7-day intervals. For tarsonemid mites, multiple applications to newly developing tissue may be needed to maintain effective control.
Boxwood Leafminer	8.0	To control mining larvae, apply when adults begin to lay eggs onto new foliage. Typically, this occurs around the timing of boxwood flowering. Repeat on 7-day intervals or as needed to maintain effective control.
Liriomyza Leafminer	8.0	Repeat on 7-day intervals or as needed to maintain effective control.
¹ Apply in 200 – 400 gallons of water per acre. If water volume is less than 200 gals., use a minimum of 8 fl. oz. per acre. Do not apply less than 8 fl oz/acre or more than 16 fl oz/acre per application. Use sufficient spray volume to obtain thorough coverage of the foliage without excessive runoff. Avoid applying during periods of extreme heat or drought stress to reduce risk of phytotoxicity.		

BEST USE PRACTICES

- Begin applications at the first sign of pest activity.
- Rotate with insecticides/miticides from different IRAC groups to maintain long-term efficacy.
- Avoid repeated use of Abamectin alone in a single season to reduce resistance risk.
- Implement as part of a comprehensive integrated pest management (IPM) program that includes scouting, biological control, and cultural practices.