

# **COTTON - WHITEFLIES**

## General Information

### GENERAL INFORMATION

FUJIMITE 5EC miticide/insecticide is used for the control of leafhoppers, mealybugs, mites, psylla, psyllids, and whiteflies.

FUJIMITE 5EC miticide/insecticide stops mite feeding immediately after application. FUJIMITE 5EC miticide/insecticide controls all motile stages of mites by inhibiting cellular respiration in the mitochondrion of cells which results in rapid cessation of all biological activities, including feeding and reproduction. Mortality of mites can be observed within 3 to 7 days after intoxication.

FUJIMITE 5EC miticide/insecticide works primarily through contact action, so thorough spray coverage is necessary. Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Dense foliage or excessive growth will often prevent adequate coverage; adjust spray volumes accordingly. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs.

### APPLICATION DIRECTIONS

- Applications should be made immediately after the spray solution is prepared.
- Apply with properly calibrated spray equipment.
- Apply by ground or air using the recommended water spray volume found in the Directions for Use section of the label.
- For aerial equipment, use larger droplet size (greater than 200 microns).
- Thorough spray coverage is essential for mite and insect control.
- For best results, apply when pest populations are beginning to build, before reaching economic thresholds. Consult your local agricultural advisor or state cooperative extension service for further information.

## USE OF ADJUVANTS

When thorough coverage is a concern, it is recommended that a spray adjuvant be used to maximize uniformity of coverage and performance of FUJIMITE 5EC miticide/insecticide. Use a nonionic activator type wetting, spreading, or penetrating adjuvant or horticultural spray oil adjuvant. Do not use a dormant oil, or binder or sticker-type adjuvant. Nonionic adjuvants (NIS) should contain at least 75% surfactant. Crop oil concentrates (COC), methylated seed or vegetable oils (MSO), organosilicone products (OS), or blends of these adjuvants should contain at least 15% emulsifier/ surfactant. Check compatibility of any adjuvant used with FUJIMITE 5EC miticide/insecticide before using. Follow the Directions for Use on each adjuvant product label for rates of use and use restrictions.

## APPLICATION RESTRICTIONS

- Use by air is limited to cotton.
- Do not apply within 75 feet of fish-bearing waters.
- Do not use adjuvants in hops, mint, and other leafy forage crops.
- Do not plant rotational crops other than those listed on the label for 30 days following the last application of the product.
- Do not apply through any type of irrigation system.
- Do not use in greenhouse structures.
- Do not apply by Alternate Row Middle (ARM) spray method.

## RESISTANCE MANAGEMENT

Repeated use of the same chemistry has been shown to result in the buildup of resistant strains of mites or other insects. Do not use FUJIMITE 5EC miticide/insecticide in successive miticide applications. Rotate the use of FUJIMITE 5EC miticide/insecticide with alternate mode of action insecticides:

- Miticides must be rotated with alternate products for resistance management.

- Do not use products with the same mode of action (METI-2 inhibitor/IRAC Group 21A) in consecutive applications.

Consult your local crop advisor for the most appropriate alternative products. Resistance management strategies recommend that you DO NOT apply rates lower than recommended on the label.

#### Limitations, Restrictions, and Exceptions

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##### Use Restrictions:

- As canopy density increases, use of higher water volume will assure better coverage.
- Do not apply through any type of irrigation system.

##### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

##### Pre-Harvest Interval

14 days

##### Rates

[field rates 0](#)

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##### Restricted Entry Interval

12 hours

##### Timings

[When pest populations are beginning to build, before reaching economic thresholds.](#)