

# **COTTON - MID-SEASON - GROUND**

## 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 this 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 this label for 30 days following the last application of this 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.

#### MIXING DIRECTIONS

FUJIMITE 5EC Miticide/Insecticide Alone: Shake well before using. Begin with clean equipment. Fill spray tank with  $\frac{3}{4}$  of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume

agitation before spraying the remainder of the load.

FUJIMITE 5EC Miticide/Insecticide Tank Mixtures: Shake well before using. Read and follow all label directions for each tankmix product prior to any tank mixing with FUJIMITE 5EC miticide/insecticide. This product can be mixed with other registered pesticides for use on labeled crops or sites, in accordance with the most restrictive use directions and precautions. Follow all use directions as listed above under FUJIMITE 5EC Miticide/Insecticide Alone with the following exception: after the FUJIMITE 5EC miticide/insecticide is thoroughly mixed and the tank is  $\frac{3}{4}$  full, add the recommended amount of wettable powder, soluble powder, flowable, emulsifiable concentrate, or soluble liquid product, while maintaining agitation. Then continue adding water to the tank to achieve the desired level, while maintaining agitation.

If you have no experience with the combination you are considering, you should conduct a test to determine physical compatibility. To determine physical compatibility, add the recommended proportions of each chemical with the same proportion of water, as will be present in the chemical supply tank, into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be readily remixed, the mixture is considered physically compatible.

#### Air Assisted (Air Blast) Field Crop Sprayers

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

#### Air Assisted (Air Blast) Tree And Vine Sprayers

Air assisted tree and vine sprayers carry droplets into the canopy of trees and vines via a radially or laterally directed air stream. These sprayers are not suitable for applying herbicides. In addition to the general drift management practices already described, the following specific practices will further reduce the potential for drift:

- Adjust the deflectors and aiming devices so that spray is only directed into the canopy.

- Block off upward pointed nozzles when there is no overhanging canopy.
- Use only enough air volume to penetrate the canopy and provide good coverage.
- Do not allow spray to go beyond the edge of the cultivated area. Spray the outside row only from outside the planting.

#### 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.

##### NOTE:

- Mid-season (when cotton is more than 10 inches in height)
- Suppression only for Apple rust mite.

##### Method

[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.](#)