

# **RICE**

## General Information

### GENERAL INFORMATION

Bumper 41.8 EC is a broad spectrum fungicide for the control of specified diseases in labeled crops. Do not use this product in greenhouses or as a tree injection.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

### APPLICATION INSTRUCTIONS

For best results, sufficient water volume should be used to provide thorough coverage. In most situations, Bumper 41.8 EC is most effective when applied and allowed to dry before a rainfall. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

**AERIAL APPLICATION:** For those crops other than tree crops where aerial applications are indicated, apply in a minimum of 2 gals. of water per acre, unless specified otherwise in the APPLICATION INSTRUCTIONS section of the label. For tree crops, a minimum of 5 to 10 gals. Of water per acre is recommended using the higher volume on large trees unless specified otherwise in the APPLICATION INSTRUCTIONS

section of the label.

**GROUND APPLICATION:** For tree crops, a minimum of 50 gals. of water per acre is recommended unless specified otherwise in the APPLICATION INSTRUCTIONS section of the label. For all other crops, apply Bumper 41.8 EC by ground equipment in a minimum of 10 gals. of water per acre unless specified otherwise in the APPLICATION INSTRUCTIONS section of the label.

**BANDED APPLICATION:** For banded applications, the treated area is the area covered by the band, not total cropland planted.

## RESISTANCE MANAGEMENT

Bumper 41.8 EC is effective in controlling pests and minimizing the development of resistance when used in rotation with other fungicides in an IPM program. To reduce selection pressure for resistant pests:

- Bumper 41.8 EC should be used in rotation with classes of fungicides with different modes of action.
- Use Bumper 41.8 EC as part of a pest management program that includes cultural and biological control where possible.
- Bumper 41.8 EC is in the Group 3 class of fungicides. The mode of action for propiconazole, the active ingredient in this product, is as a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis by blocking demethylation. Resistance can develop when products with the same mode of action are used repeatedly.
- Consult your State or local agricultural pest control advisor(s) for pest control strategies established for your area.

Refer to the label for tank mix information.

## Limitations, Restrictions, and Exceptions

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The timing of Bumper 41.8 EC application will depend on disease severity, disease complex, and rice variety and growth stage. Apply Bumper 41.8 EC at recommended rates on either of the following schedules as an aerial spray in 5 to 10 gals. of water per acre:

A. 6 fl. oz. per acre at first internode elongation (up to 2 - inch panicle) and repeat at swollen boot. Make the second application 10 to 14 days after the first application but before the boot splits and head emerges. Bumper 41.8 EC provides best control of sheath blight when the first application is applied at disease appearance in the field. The first application is recommended when 5% or fewer of the tillers are

infected.

B. 10 fl. oz. per acre at first internode elongation (up to 2 - inch panicle). The 10 oz. rate is recommended if greater than 10% of the tillers are infected with sheath blight. If disease reappears, use another registered fungicide for the second application.

C. Apply 6 fl. oz. per acre in a tank mix with Quadris or other fungicides for control of diseases of rice.

- Do not make applications using ground or chemigation equipment. Only aerial application is allowed.
- Do not apply to stubble or ratoon crop rice.
- Do not use in rice fields where commercial farming of crayfish will be practiced.
- Do not drain water from treated rice fields into ponds used for commercial fish farming.
- Do not use water drained from treated fields to irrigate other crops.

Stem rot and False smut suppression only.

Method

[Broadcast/Foliar Air](#)

Pre-Harvest Interval

35 days

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

24 hours

Timings

[At first internode elongation \(up to 2 - inch panicle\).](#)