

Supplemental Labeling

GROUP

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FUNGICIDE

TOPGUARD



TERRA®

FUNGICIDE

THIS SUPPLEMENTAL LABEL EXPIRES ON February 7, 2018 AND MUST NOT BE USED OR DISTRIBUTED AFTER THIS DATE

EPA Reg. No. 279-3594

For chemigation directions and disease control on cotton.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Read the entire label. This label must be in the possession of the user at the time of application. Read the label affixed to the container for Topguard Terra Fungicide before applying. Use of Topguard Terra Fungicide according to this labeling is subject to the use precautions, restrictions, and limitations imposed by the label affixed to the Topguard Terra Fungicide container.

Chemigation:

Application through Irrigation Systems (Chemigation):

Apply Topguard Terra Fungicide through irrigation to crops at rates and timings specified in this label. Chemical tank and injector system must be thoroughly cleaned before and after use. Flush system with clean water.

Drip Irrigation: Use Topguard Terra Fungicide for control of diseases at rates and timing as specified in this label. Ensure adequate soil moisture prior to utilizing Topguard Terra Fungicide in a drip irrigation system. Restriction: Do not apply Topguard Terra Fungicide through drip irrigation that is deeper than 12" below the soil surface.

Discontinue drip irrigation application at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. Delay subsequent irrigation (water only) for at least 24 hours following drip application for best results.

Operating Requirements for Application through Irrigation Systems:

1. Restriction: Do not use chemigation when conditions are favorable for drift to non-target areas.
2. To prevent water-source contamination from backflow, a functional check valve, vacuum relief valve, and low-pressure drain should be located on the irrigation pipeline.
3. To prevent backflow back toward the injection pump, the pesticide injection pipeline must be equipped with a functional, automatic, quick-closing check valve.
4. To prevent fluid from being withdrawn from the supply tank when the irrigation system is shut down, the pesticide injection pipeline should also be equipped with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock.
5. The system must also contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops and a functional pressure switch to stop the pump motor when water pressure decreases to a point at which pesticide distribution is adversely affected.
6. A metering pump, constructed of materials compatible with pesticides and capable of being fitted with a system interlock, such as a positive displacement injection pump (e.g., a diaphragm pump), must be included in the system.
7. A knowledgeable person responsible for the chemigation system should shut the system down and turn the irrigation water off, ensuring enough time for the pesticide to be flushed through all lines and nozzles.
8. No irrigation system, including those in greenhouses, used to distribute pesticides can be connected to a public water source unless safety measures and devices prescribed in the pesticide label for such connection are in place.

Sold By



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Specific Instructions for Public Water Systems:

1. Public water system means a system that provides piped water for human consumption if the system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. All measures and devices listed in the above section, "Operating Requirements for Application through Irrigation Systems", must be operational for connection to a public water system.
3. Additionally, chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There must be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

Crop Rotation: Fields treated with an application rate of greater than 0.228 lbs.ai/acre/season may be planted to the following crops that have tolerances established for residues of flutriafol: field corn; field corn grown for seed; popcorn; cotton; cucurbits; fruiting vegetables; grapes; hops, Brassica leafy vegetables crop group 5; leafy vegetables, except Brassica, crop group 4; peanut; pome fruit; grain sorghum; soybean; stone fruit; strawberry; sugar beet; tomato; tree nuts; triticale; or wheat immediately after the last application. Fields treated with application rates less than or equal to 0.228 lbs.ai/acre/season may be planted to the crops listed above, and may also be planted to sweet corn 180 days after the last application. Rotation to any other crop is prohibited.

Use Directions for Cotton

Diseases	Product Rate (fl.oz./A)
Cotton Root Rot (<i>Phymatotrichopsis omnivora</i>)	4 – 8 (see cotton row spacing table below for rate chart depending on row width)

Application Directions

Application Methods

T-Band Application: Apply Flutriafol 500 g/L SC Fungicide in a concentrated 3-4 inch wide band at planting perpendicular to row direction after furrow opening and seed placement but prior to furrow closure with press wheel.

Modified In-Furrow Application: Apply using a splitter/Y shaped application mechanism that directs the product on the sides of seed furrow and not in direct contact with the seed.

Drip Irrigation: This product may be applied through drip irrigation systems where drip tape is not deeper than 12 inches below the soil surface. Apply only through drip irrigation systems configured with drip tape directly below the row and running in the same direction as the rows.

Application Methods to use by Field Irrigation Type

Overhead or Sprinkler Irrigation Fields:

- T-Band is the preferred application method under these cropping systems.
- Modified In-Furrow can be used. Avoid applying product in direct contact with seed.

Dryland Fields:

- Modified In-Furrow application technique may provide more consistent control under low rainfall conditions.
- Application using a T-Band method requires rainfall to move the product into the disease infection zone below the soil surface.

Furrow and Drip Irrigated Fields:

- Apply in T-Band, Modified In-Furrow, or through drip tape.
- When using the Modified In-Furrow application method sufficient irrigation must be applied to thoroughly wet the Flutriafol 500 g/L SC Fungicide treated zone after cotton has emerged.
- For T-Band applications, the top of the bed must be thoroughly wetted after the cotton has emerged.
- Follow instructions in chemigation section of this label when applying through drip irrigation systems.

NOTICE for All Applications Methods and Field Conditions:
Heavy rainfall or irrigation within 3 days after planting may delay emergence.

Restrictions:

- No single application may exceed 8 fl. oz. of product/A.
- Do not apply more than one soil application per year.
- Do not apply more than 0.488 lbs. ai flutriafol / acre per year (including soil and foliar applications).
- Do not apply with liquid fertilizer.
- Restricted Entry Interval (REI) for all activities is 12 hours.
- Preharvest Interval: Do not apply within 30 days of harvest.

Cotton row spacing table

Cotton Row Spacing (inches)	Fluid Ounces of Product to be Applied / 1000 Row Feet	
	4 fl.oz./A product rate	8 fl.oz./A product rate
30	0.23	0.46
32	0.24	0.48
36	0.28	0.56
38	0.29	0.58
40	0.31	0.62

30" = 17,424 row ft. per acre, 32" = 16,315 row ft. per acre, 34" = 15,374 row ft. per acre,
 36" = 14,520 row ft. per acre, 38" = 13,754 row ft. per acre, 40" = 13,068 row ft. per acre.

Formula:

$$\frac{\text{Selected Use Rate (fl.oz./A)}}{[\text{Row ft. for row spacing} / 1000 \text{ ft.}]} = \text{fl.oz. of product to be applied per 1000 row ft.}$$

Example for 30" row spacing at 4 fl.oz./A:

$$\frac{4 \text{ fl.oz./A}}{[17,424 / 1000 \text{ ft.}]} = 0.23 \text{ fl.oz. of product to be applied per 1000 row ft.}$$

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. EXCEPT AS WARRANTED BY THIS LABEL, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

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