

May 2017

Topguard<sup>®</sup> EQ fungicide is FMC's newest premix fungicide that combines the highly systemic Group 3 fungicide flutriafol with the proven performance of the Group 11 strobilurin fungicide azoxystrobin. This unique combination provides resistance management and broad spectrum, long lasting disease control for corn (field, seed and popcorn), soybeans and many other crops commonly grown in the Delmarva and Northeast regions.

Product Attributes	Benefits
Dual, Complementary Chemistry & Resistance Management	Contains flutriafol (Group 3) and azoxystrobin (Group 11), two active ingredients with different sites of action for resistance management
Broad Spectrum Disease Control	Controls the most common and important foliar diseases found in the Northeast and Mid Atlantic
Flexibility: Many Labeled Crops and Wide Application Window	One product for corn, soybean, wheat and many common specialty crops. Wide application window in various crops for timely and effective disease control
Foliar and Soil Uptake and Systemic Activity	Moves upward in the xylem to protect new growth
Plant Health	Greater stress tolerance translates into greener, more robust plants & increased yield potential

Topguard EQ fungicide's two modes of action are distinctly different. Flutriafol provides some of the longest residual control in its class and is very mobile in the plant's xylem. Once applied, flutriafol rapidly penetrates the waxy layer of the leaf and moves upward throughout the plant to provide disease protection from fungal attack. Azoxystrobin inhibits fungal respiration resulting in fungal cell death and as a secondary benefit reduces plant stress for improved overall plant health.

### Key Corn Diseases Controlled:

Rust, Common and Southern	Gray Leaf Spot
Northern Corn Leaf Blight	Northern Corn Leaf Spot
Southern Corn Leaf Blight	Anthracoese Leaf Blight
Eye Spot	

Use Rate: **5 fl. oz./A**

Application Timing: Emergence until R4 (early dough stage)

Maximum Application Number: 2/year

Maximum Use Rate Per Application: 7 fl. oz./A

Maximum Use Rate Per Season: 14 fl. oz/A

REI: 12 hours except 5 days for detasseling field or popcorn grown for seed

PHI: 7 days

## Inside This Issue

# TOPGUARD<sup>®</sup> EQ

FUNGICIDE

*Corn Disease Control  
and  
Plant Health Benefits*

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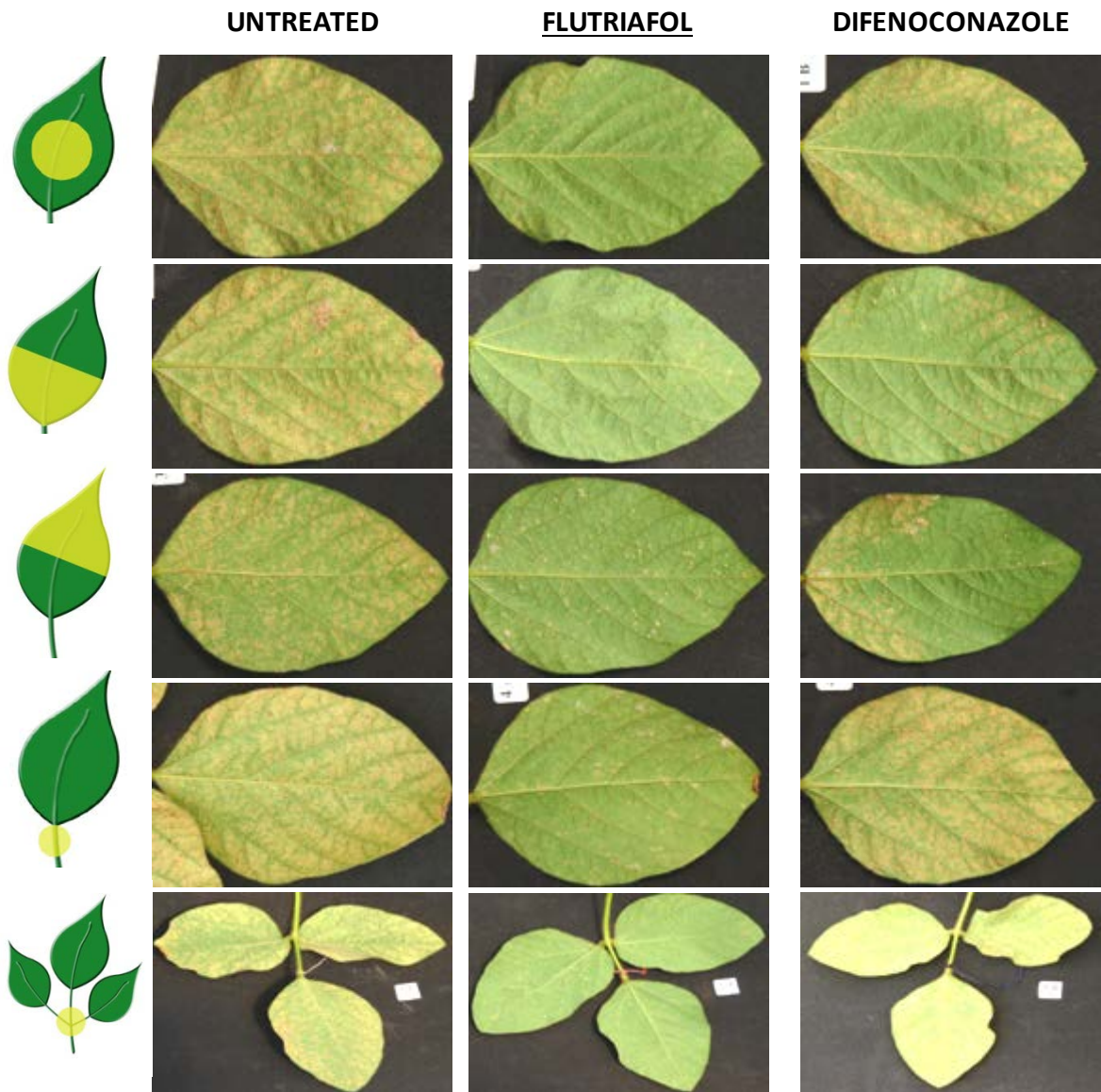
**Tyler Williams  
(270) 403-1467**

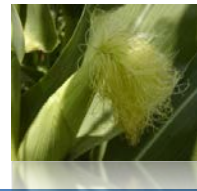
# FMC



## Systemic Activity of Flutriafol Fungicide

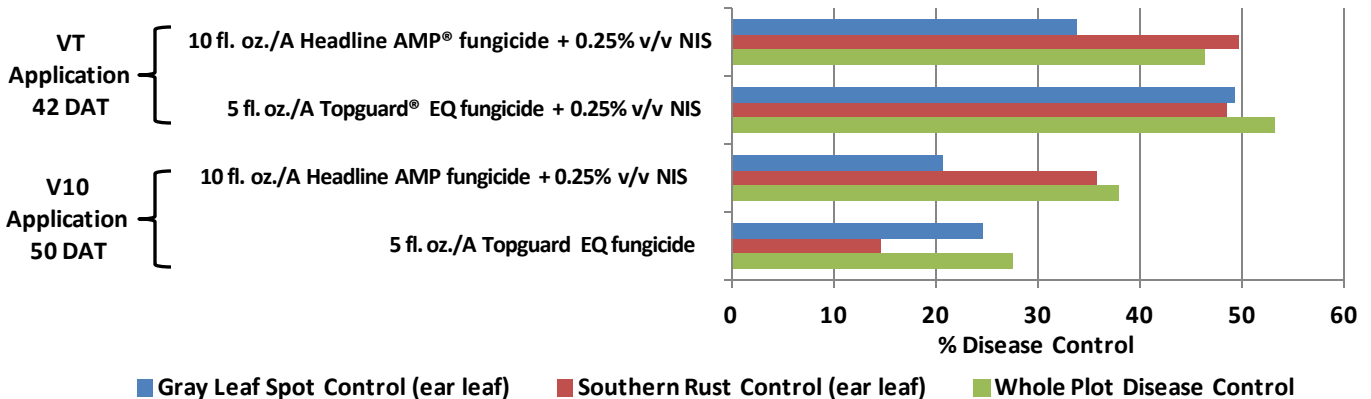
This series of photographs demonstrates leaf uptake and fungicide distribution of flutriafol, the Group 3 fungicide contained in Topguard<sup>®</sup> EQ fungicide vs. difenoconazole, the triazole found in Quadris Top<sup>™</sup> brand fungicides. FMC's patented flutriafol is rapidly taken up by the plant and distributed throughout the leaf for optimum disease control. All soybean leaves were exposed to Asian Soybean Rust. The leaf icons on the far left indicate the point of application, as shown by the yellow color.



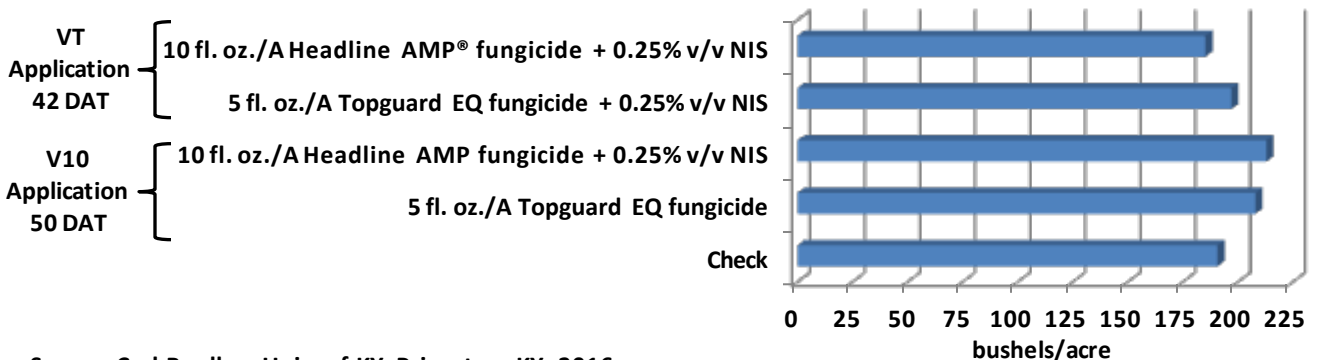


## PERFORMANCE RESULTS

### Control of Gray Leaf Spot and Southern Rust in Field Corn



### Corn Yield Response to Fungicide Application



Source: Carl Bradley, Univ. of KY, Princeton, KY, 2016.

888-59-FMC-AG [FMCCROP.COM](http://FMCCROP.COM)

Always read and follow label directions. NOTE REGARDING RESTRICTED USE PESTICIDES: Anthem ATZ herbicide; Athena insecticide, Brigade 2EC Insecticide/Miticide, Brigade WSB Insecticide/Miticide, Brigadier Insecticide Capture 3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Temityr LFR Insecticide/Fungicide, Triple Crown Insecticide, Ethos XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are **Restricted Use Pesticides**. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim herbicide, Aim EC herbicide, Aim EW herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem MAXX herbicide, Authority Assist herbicide, Authority Elite herbicide, Authority First DF herbicide, Authority MAXX herbicide, Authority MTZ DF herbicide, Authority XL herbicide, Cadet herbicide, Chisum Herbicide, Command 3ME microencapsulated herbicide, Crusher Herbicide, Edition Broadspec herbicide, Edition Tankmix Herbicide, Marvel herbicide, Nimble Herbicide, Nuance Herbicide, Preemptor SC fungicide, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Temityr LFR Insecticide/Fungicide, Topguard EQ fungicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethos XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Display cotton harvest aid, Zoro Miticide and VGR Soil Amendment **are not registered for sale or use in California**. VGR Soil Amendment is not a pesticide. Beleaf and Carbine are trademarks of Ishihara Sangyo Kaisha, Ltd. Cercobin is a trademark of Nippon Soda Co., LTD. Sovran is a registered trademark of BASF. FMC, 3RIVE 3D, Accurate, Aim, Anthem, Athena, Authority, Brigade, Brigadier, Cadet, Capture, Chisum, Command, Crusher, Declare, Display, Edition, Ethos, Preemptor, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Temityr, Topguard, Topguard Terra, VGR and Zeus are trademarks and HatchTrak and Investing in farming's future are service marks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved. 11/16

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