

# AGRICULTURE SOLUTIONS

from **FMC**

## TOPGUARD<sup>®</sup> EQ

FUNGICIDE

### Manage Disease and Resistance in Soybeans With This Dual Mode of Action Fungicide Premix

New Topguard<sup>®</sup> EQ fungicide is the only premix that combines the benefits of highly systemic and long-lasting Group 3 fungicide flutriafol with a top-of-class Group 11 strobilurin fungicide azoxystrobin. This unique combination broadens the spectrum of diseases that can be controlled and offers two modes of action to combat disease resistance.

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 throughout the plant to prevent disease onset. Azoxystrobin inhibits fungal respiration, causing the fungal cells to die, and it also reduces plant stress for improved plant health.

These two active ingredients provide long lasting, preventative and curative control of major plant diseases, including those that have developed resistance to strobilurin fungicides. In field trials across the U.S., Topguard EQ fungicide performed equal to or better than competitive standards and provided excellent crop safety. Topguard EQ fungicide is an effective dual mode of action fungicide where strobilurin alone is not enough to combat yield-robbing diseases.

#### Target Soybean Diseases:

Aerial Blight

Alternaria Leaf Spot

Anthracnose

Brown Spot

Cercospora Blight

Purple Seed Stain

Frogeye Leaf Spot

Pod and Stem Blight

Powdery Mildew

Target Spot

Rust



### Inside This Issue

## TOPGUARD<sup>®</sup> EQ

FUNGICIDE

**CONTROLS KEY  
SOYBEAN DISEASES  
and  
PROVIDES EXCELLENT  
PLANT HEALTH**

**Contact your local  
FMC Representative:**

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(662) 357-5793**

**Austin Howell  
(731) 803-6363**

**Kevin Rone  
(573) 225-8867**

**Lester Scott  
(318) 268-7911**

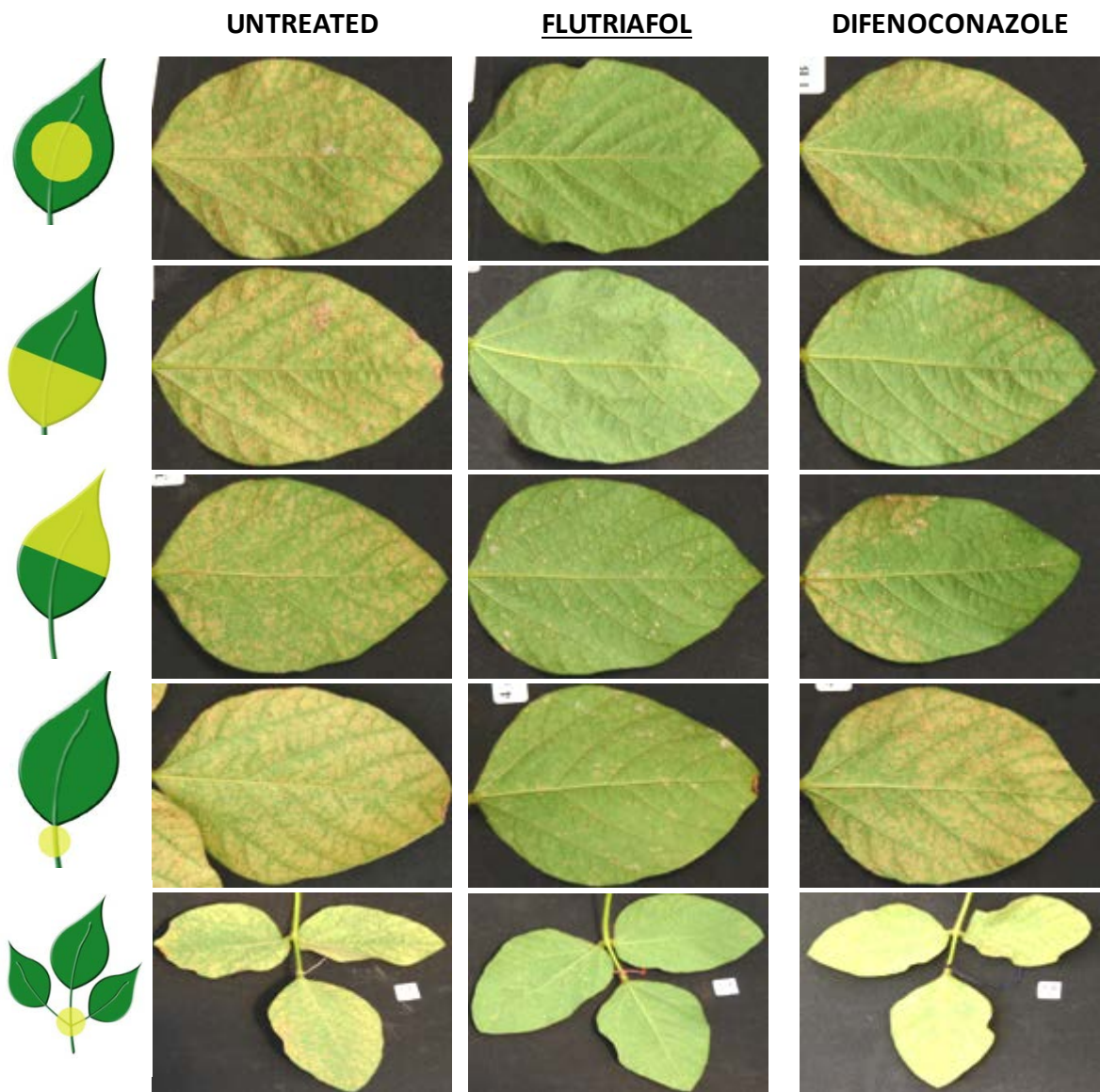
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## Topguard® EQ Fungicide Systemic Activity

This series of photographs compares leaf uptake and subsequent plant response to Topguard EQ fungicide vs. difenoconazole, the triazole found in Quadris Top™ SBX fungicide. FMC's patented flutriafol is rapidly taken up by the plant and distributed throughout the leaf to control the spread of disease. All soybean leaves were exposed to Asian soybean rust. The leaf icons on the left indicate the point of application, as shown by the lighter green color.



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**Increase Soybean Profitability With Fungicides**

***TOPGUARD® EQ FUNGICIDE* - A DUAL MODE OF ACTION FUNGICIDE PROVIDING BROAD-SPECTRUM ACTIVITY ON KEY SOYBEAN PATHOGENS**



**Cercospora  
Leaf Blight**



**Purple Seed  
Stain**



**Septoria  
Brown Spot**



**Frogeye Leaf  
Spot**

\*Pictures courtesy of University of Illinois, Department of Crop Sciences

## SOYBEAN GUIDELINES

**Rate:** 5 - 7 fl. oz./A

**Timing:** R1 – R5

- For cercospora leaf blight begin applications at first flower (R1)
- For other diseases apply beginning at first visible flower or when conditions are favorable for disease development
- Apply additional applications if environmental conditions are favorable for continued disease development

**REI:** 12 hours

**PHI:** 21 days

**Maximum amount/year:** 15.5 fl. oz./A

**Maximum applications:** 3/year

**Minimum retreatment interval:** 21 days for rust, 14 days for all other diseases

**Restrictions:**

- Do not feed forage or hay to animals or permit animals to graze
- Only one application of product at 7 fl. oz./A may be made to any one field during a single growing season
- Do not apply more than 3 applications per year
- Do not apply more than 0.23 lb a.i. flutriafol per acre per year
- Do not apply more than 1.5 lb a.i. of azoxystrobin per acre per year

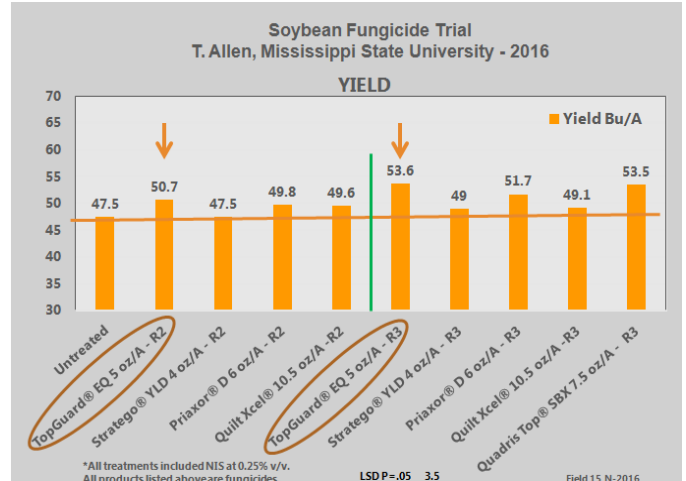
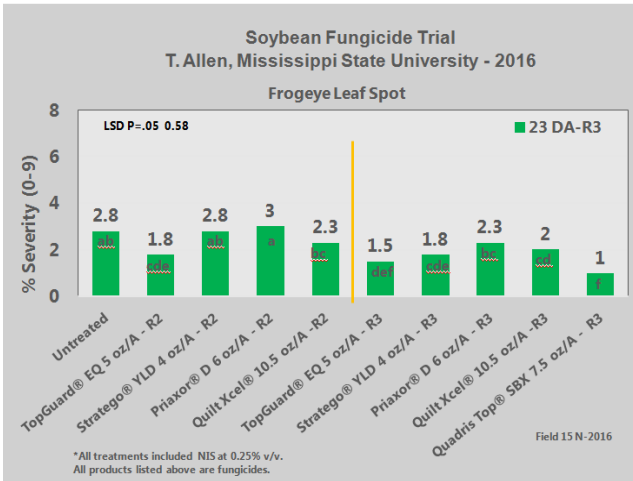
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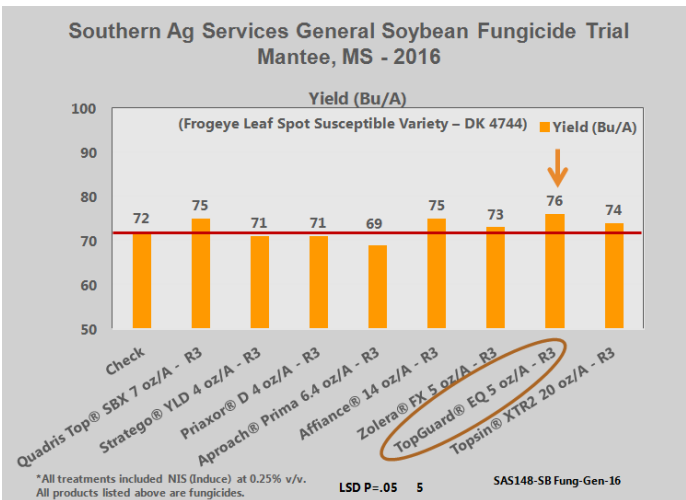
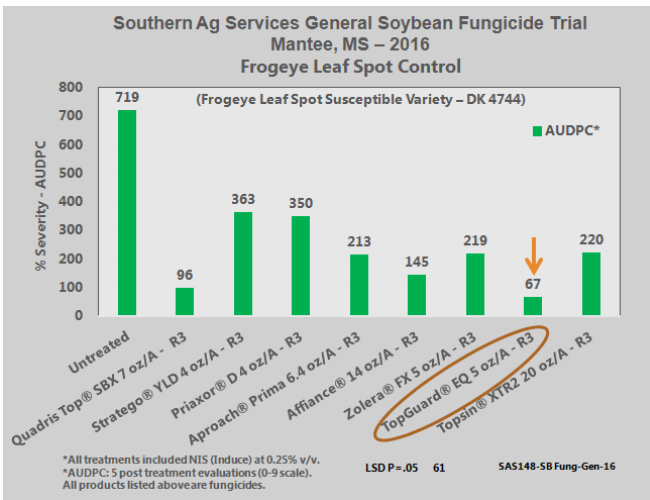
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## Increase Soybean Profitability With Fungicides

### Topguard® EQ Fungicide's Excellent Control of Frogeye Leaf Spot



(Above) The 2016 trial was conducted by Dr. Tom Allen, Mississippi State University. The fungicide treatments were made at R2 and R3 timings. The highest yields were achieved from the R3 timing application with Topguard EQ fungicide treatment yielding 4.1 bu. per acre higher than the untreated.



(Above) This 2016 fungicide trial was conducted by Dr. Rusty Mitchell, Southern Ag Services, in Mantee, MS. Applications of fungicides were made at the R3 timing to a susceptible frogeye soybean variety, DK-4744. Topguard EQ fungicide provided the best control of frogeye and had the highest yields versus all other treatments.



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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, Temitry 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, Temitry 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, Temitry, 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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