Topguard® 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.

### Key Corn Diseases Controlled:
- Rust, Common and Southern Gray Leaf Spot
- Northern Corn Leaf Blight
- Southern Corn Leaf Blight
- Anthracnose 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

### Product Attributes & Benefits

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

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.

Contact your local FMC Marketing Manager for more information

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Systemic Activity of Flutriafol Fungicide

This series of photographs demonstrates leaf uptake and fungicide distribution of flutriafol, the Group 3 fungicide contained in Topguard® EQ fungicide vs. difenoconazole, the triazole found in Quadris Top™ 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

VT Application
42 DAT
10 fl. oz./A Headline AMP® fungicide + 0.25% v/v NIS
5 fl. oz./A Topguard® EQ fungicide + 0.25% v/v NIS

V10 Application
50 DAT
10 fl. oz./A Headline AMP fungicide + 0.25% v/v NIS
5 fl. oz./A Topguard EQ fungicide

% Disease Control
0 10 20 30 40 50 60

Gray Leaf Spot Control (ear leaf)  Southern Rust Control (ear leaf)  Whole Plot Disease Control

Corn Yield Response to Fungicide Application

VT Application
42 DAT
10 fl. oz./A Headline AMP® fungicide + 0.25% v/v NIS
5 fl. oz./A Topguard EQ fungicide + 0.25% v/v NIS

V10 Application
50 DAT
10 fl. oz./A Headline AMP fungicide + 0.25% v/v NIS
5 fl. oz./A Topguard EQ fungicide

bushels/acre
0 25 50 75 100 125 150 175 200 225

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

888-59-FMC-AG  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, 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

Headline AMP is a registered trademark of BASF

HT-NE--CORN-CTL 05-08-2017