Manage disease and resistance in soybeans with this dual mode of action fungicide premix.

Topguard® EQ fungicide is the only premix combining 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

**Contact your local FMC representative:**

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The Value of Flutriafol in Topguard® EQ Fungicide

This series of photographs compares leaf uptake and subsequent plant response to the triazole in Topguard® EQ fungicide, flutriafol 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.
Increase Soybean Profitability With Fungicides

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

*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:** Three/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 8 fl. oz./A may be made to any one field during a single growing season.
- Do not apply more than three 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 lbs. a.i. of azoxystrobin per acre per year.
The benefit of the Group 3 fungicide flutriafol is readily apparent for FELS caused by the fungi Cercospora. Many populations are now resistant to the Group 11 strobilurin fungicide, which is a component of both Topguard EQ fungicide and Priaxor. Priaxor does not contain a triazole. Instead, it contains a Group 7 SDHi fungicide, which is generally inherently weak against Cercospora.

Data Source: Oscar Perez-Hernandez, Univ. of Central MO. 2016

The yield response in a Frogeye Leaf Spot Susceptible vs Tolerant Soybean Cultivar

Data Source: Southern Ag Services, Mantee, MS, 2016

Abbreviations:
FELS – frogeye leaf spot
DAT - Days After Treatment

Soybean yield response versus the no fungicide comparison
Insect feeding is a common occurrence as we progress through the soybean growing season. Broad-spectrum insect control is essential as we enter the reproductive stages of soybean development to protect yield potential. Hero® Insecticide is a reliable and convenient pre-mix insecticide consisting of zeta-cypermethrin + bifenthrin and is a great tank-mix partner with fungicides, late-season herbicides and foliar fertilizers.

**SOYBEAN GUIDELINES**

**Rate:** 5 – 10.3 fl. oz./A  
See product label for complete list of rates.

**Timing:** Apply as required by scouting. Timing and frequency of applications should be based on insect populations reaching locally determined economic threshold levels.

**REI:** 12 hours

**PHI:** 21 days

**Maximum amount/year:** 41.2 fl. oz./A

**Maximum amount/application:** 10.3 fl. oz./A

**Spray Volume:** Minimum 10 GPA by ground or 2 GPA by air. Coverage is critical for optimum control.

**Restrictions:**
- Do not make applications less than 30 days apart
- Do not graze or harvest treated soybean forage, straw, or hay for livestock feed

**Key Late-Season Soybean Pests controlled by Hero Insecticide**
Hero Insecticide is a Restricted Use Pesticide.

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/3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Temtrily 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, Temtrily 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, Temtrily, 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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