



May 2017

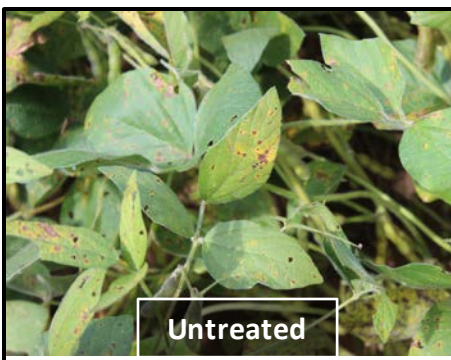
Topguard<sup>®</sup> EQ fungicide and Hero<sup>®</sup> Insecticide offer a new opportunity in 2017 for controlling yield robbing diseases and insect pests in soybeans. This tank mixture combination of fungicide and insecticide provides residual, broad spectrum disease and insect control to protect soybean yields and seed quality.

## **TOPGUARD EQ** Soybean Use Information

- Application Timing: R1 to R5; R3 typically optimum
- Use Rate: 5 oz./A + adjuvant
  - Heavy disease pressure or where extended residual control is needed: may use up to 7 fl. oz./A
- Diseases Controlled

Alternaria Leaf Spot	Anthracnose	Brown Spot
Cercospora Blight	Purple Seed Stain	Frogeye Leaf Spot
Pod and Stem Blight	Aerial Blight	Powdery Mildew
Target Spot	Rust	

*Suppression:* Southern Blight and White Mold/Stem Rot
- REI: 12 hours
- Pre-Harvest Interval (PHI): 21 days
- Do not feed hay or graze treated soybeans
- Minimum Spray Interval: 14 days (21 days for rust)
- Maximum Use Per Year: 3 applications or 15.5 fl. oz./A



Untreated



Topguard EQ fungicide  
5 fl. oz./A

## **HERO** Soybean Use Information

- Application Timing: When pest threshold is reached or tank mixed with Topguard EQ fungicide to control a complex of pests typically present during the late season reproductive stages of soybeans.
- Use Rate: Refer to pest and rate table on page 2
- REI: 12 hours
- Pre-Harvest Interval (PHI): 21 days
- Do not graze or harvest treated soybean forage, straw, or hay for livestock feed
- Minimum Spray Interval: 30 days
- Maximum Amount Per Application: 10.3 fl. oz./A
- Maximum Use Per Year: 4 applications or 41.2 fl. oz./A
- Spray Volume: Minimum 10 GPA by ground or 2 GPA by air. Coverage is critical for optimum control

## Inside This Issue

### **TOPGUARD EQ**

*Soybean Disease Control  
and  
Plant Health Benefits*



*Yield Protection  
From Leaf and Pod  
Feeding Soybean  
Insects*

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# FMC

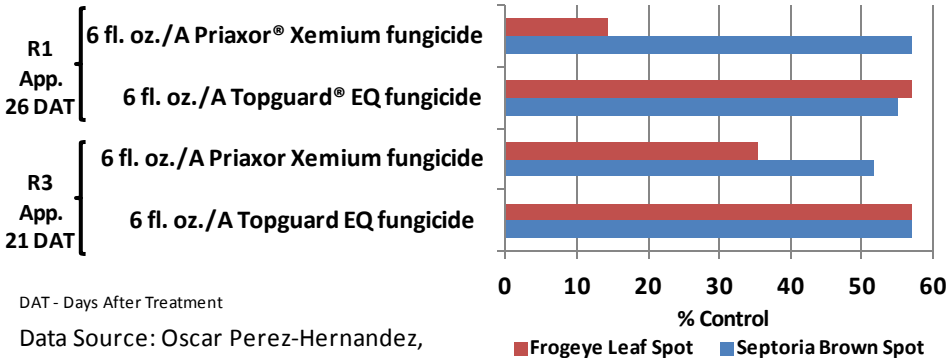


## HERO<sup>3</sup> Rates Table and Insects Controlled

2.6 – 6.1 fl. oz./A	4.0 – 10.3 fl. oz./A		10.3 fl. oz./A
Beetles, Bean Leaf Flea Cutworms Grasshoppers Caterpillars, Green Cloverworm Painted Lady Silver-spotted Skipper	<u>Caterpillars</u> Alfalfa Armyworms, Fall Southern True Yellowstriped Corn Earworm Borers European Corn Lesser Cornstalk	<u>Caterpillars (cont.)</u> Loopers Saltmarsh Velvetbean Woollybear Soybean Aphid Stem Borer, Dectes Stink bug Cucumber Beetle (Adult) Chinch Bug, False Grape Colaspis (Adult) Japanese Beetle (Adult) Leafhoppers, including three cornered alfalfa	Lygus (Plant Bugs) Whitefly Thrips Mites, Two Spotted Spider

## NEW TOPGUARD EQ PERFORMANCE RESULTS

### Frogeye Leaf Spot (FELS) and Brown Spot Control

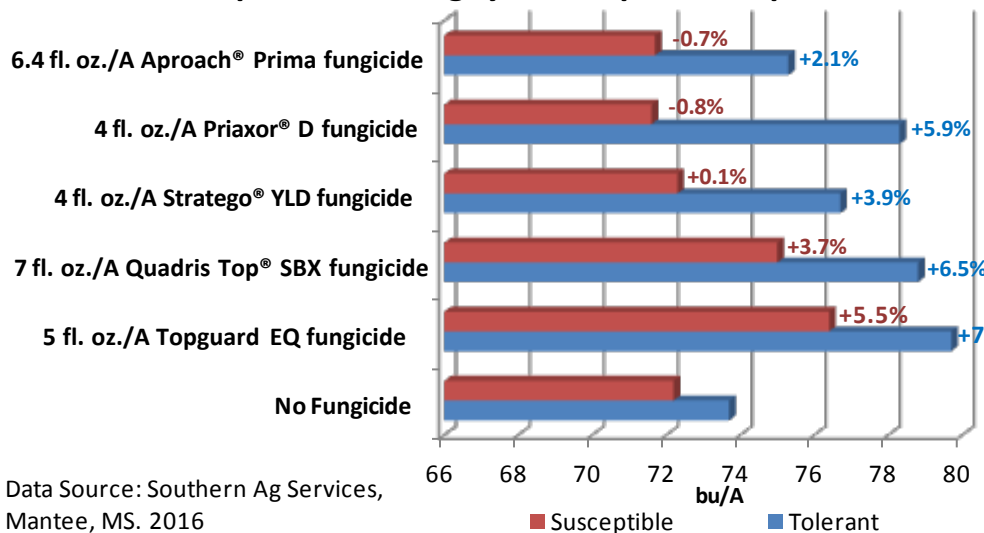


The benefit of the Group 3 fungicide flutriafol is really apparent for FELS caused by the fungi *Cercospora*. Many populations are now resistant to the Group 11 strobilurin fungicide which is a component of both Topguard EQ fungicide and Priaxor fungicide. Priaxor fungicide does not contain a triazole, instead it contains a Group 7 SDHi fungicide which are generally inherently weak against *Cercospora*.

DAT - Days After Treatment

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

### Yield Response in a Frogeye Leaf Spot Susceptible vs Tolerant Soybean Cultivar

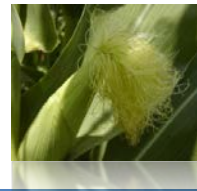


Trial work conducted in MS compared soybean yield response to fungicide application in a FELS susceptible cultivar versus a FELS tolerant cultivar.

Both cultivars generally responded positively to a fungicide application. The tolerant cultivar yielded the largest percent increase of the 2cultivars. Topguard EQ fungicide treated plots led all fungicides with a +5.5% and +7.5% yield increase when applied to the susceptible and tolerant cultivar, respectively.

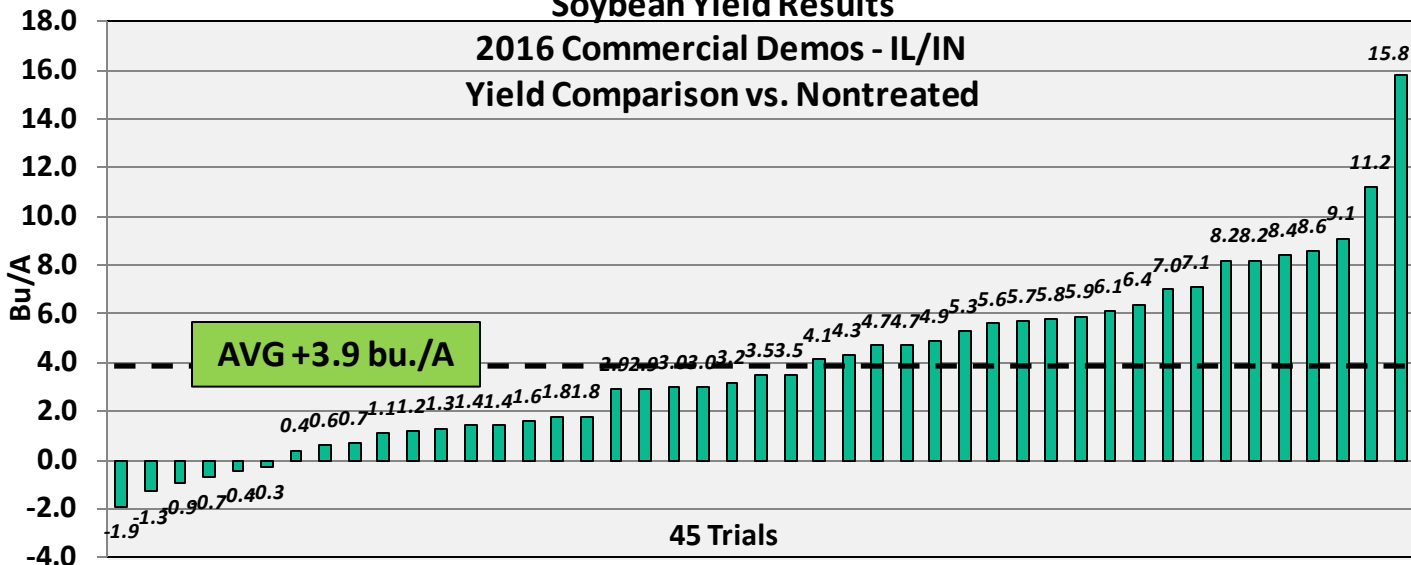
Soybean yield response versus the no fungicide comparison

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



## ON FARM PERFORMANCE RESULTS

### Flutriafol-Strobilurin Fungicide Premix + Hero<sup>®</sup> Insecticide Soybean Yield Results



Across 45 on-farm demos in IL and IN in 2016, the combination of FMC's flutriafol (Group 3) + strobilurin (Group 11) fungicide and Hero Insecticide resulted in an average increase of 3.9 bushels of soybeans per acre. The ROI at +3.9 bu/A would be approximately **+\$11.96/A** (using \$9.10/bu average 2016 soybean price and suggested list price for Topguard<sup>®</sup> EQ fungicide and Hero Insecticide).

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