Plant Health in Corn, Protecting Yields & Profitability
Begins at V5-6 With FMC Corn Fungicides & Insecticides

- Unique pre-mix of flutriafol (triazole) + fluoxastrobin (strobilurin)
- Two modes of action, resistance management, excellent control and broader spectrum
- Highly systemic in xylem for immediate activity and unmatched protection
- Systemicity & long residual control provides early application flexibility
- Preemptor™ SC fungicide may be applied by ground as soon as V5-6 timing
- May be tank mixed with herbicides, insecticides and foliar nutrient products
- Plant health with improved stress tolerance contributes to maximum yield

Studies show Preemptor SC fungicide may be tank mixed, provides excellent corn disease control, reduces stress, contributes to maximum yields and profitability

**Application Guidelines**
- V5 to V8 use 5 oz./A
- After V8 to before tassel use 4 to 5 oz./A (no adjuvants)
- VT to R4 use 4 oz.

**Diseases Controlled**
- Common Rust
- Anthracnose leaf blight
- Grey leaf Spot
- Northern Corn Leaf Blight
- Northern Corn Leaf Spot
- Southern Corn Leaf Blight
- Eye Spot

**2012 Selected Treatments from Corn Fungicide Trial**
observing influence of various fungicides, timings and influence upon corn yield (Bu/A).
(Data Courtesy Ohio State OARDC, Wooster, OH)

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**2015 Selected Treatments Corn Fungicide Efficacy Trial**
V-6 through V-8.
(Ohio State, OARDC Western Branch, S. Charleston, OH)

<table>
<thead>
<tr>
<th>Yield (Bu/A)</th>
<th>V-6 Stage - Preemptor™ SC Fungicide 5 oz + Glyphosate 32 fl oz + NIS 0.25% v/v</th>
<th>V-8 Stage - Preemptor™ SC Fungicide 5 oz + NIS 0.25% v/v</th>
<th>V-8 Stage - Headline AMP® 10 oz + NIS 0.25% v/v</th>
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<tbody>
<tr>
<td></td>
<td>175</td>
<td>195</td>
<td>190</td>
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**2016 Selected treatments showing the effect by Corn Foliar Fungicides applied at V-8 systemically protecting the corn ear leaf from Grey Leaf Spot and Northern Corn Leaf Blight Infection upon Yield (Bu/A).**
(Data Courtesy Dr. Pierce Paul Ohio State OARDC Western Branch S. Charleston, OH)

<table>
<thead>
<tr>
<th></th>
<th>Preemptor™ fungicide 6 fl oz + Roundup PowerMax® herbicide 32 fl oz [V8]</th>
<th>Headline AMP® fungicide 10 fl oz + Roundup PowerMax® herbicide 32 fl oz [V8]</th>
<th>Untreated Check</th>
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<tbody>
<tr>
<td></td>
<td>214.1 bu/A</td>
<td>212.1 bu/A</td>
<td>186.4 bu/A</td>
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% Northern Corn Leaf Blight Infection Ear Leaf at R5
% Grey Leaf Spot Infection Ear Leaf at R5
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, Declare 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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Effectiveness of preemergence and postemergence applications on the control of certain seedling pests in corn.

**Preemptor™ SC fungicide + HERO® Insecticide Rotational Crop Interval**

- Corn, Soybeans, Peanuts: Anytime
- Sugar Beets, Wheat: 30 Days
- Sweet Corn, Cotton: 180 Days

**2016 Selected treatments comparing R1 timing [R1] to Western Bean Cutworm [WBC] threshold application timing of Preemptor™ SC fungicide 5 oz + Hero® insecticide 6.4 oz + NIS 0.25% v/v for percent (%) damaged ears, percent (%) Northern Corn Leaf Blight (NCLB) Index and Yield, Bushels per acre (Bu).

(Data Courtesy Michigan State University, East Lansing, MI)

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<table>
<thead>
<tr>
<th>Timing</th>
<th>Preemptor™ SC fungicide</th>
<th>HERO® Insecticide</th>
<th>Yield</th>
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<tr>
<td>[R1 Timing]</td>
<td>5 oz + Hero® insecticide</td>
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<td>208.9 Bu</td>
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<td></td>
<td>6.4 oz + NIS 0.25% v/v</td>
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<td>10.6</td>
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<tr>
<td>[WBC Timing]</td>
<td>5 oz + Hero® insecticide</td>
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<td>204.4 Bu</td>
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<td>6.4 oz + NIS 0.25% v/v</td>
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In 2016, harvested corn loads in Northern Indiana, Northern Ohio and Michigan were rejected due to DON levels being so high due to heavy Western bean cutworm (WBC) feeding damage. In a 2016 Michigan State University Study, Applying Hero Insecticide + Preemptor SC fungicide at the WBC timing resulted in significant reductions of damaged corn. However, highest yields were at the R1 timing, having 2% WBC damage and 208.9 bu/A yield.

**Western Bean Cutworm Egg Development - Hatch**

- Less than 3 Day: Freshly Laid Egg Mass
- 2 to 4 Day: Developing Egg Mass
- 7 Day: Developing, Purple Colored Egg Mass: WBC Larvae Hatching