



*MAKES SENSE.*

# Bumper<sup>®</sup>

PROPICONAZOLE FUNGICIDE

- **Asian Soybean Rust**
- **Brown Spot**
- **Frogeye Leaf Spot**
- **Aerial Web Blight**
- **Anthracnose**

**The best way to control disease and fungicide costs.**

**THE ROI FUNGICIDE:** Bumper delivers the best return on your fungicide investment.

**EFFECTIVE SOYBEAN RUST CONTROL:** Bumper is recognized as a preferred formulation for use against hard to control soybean rust infestations. Bumper is labeled for multiple applications per season.

**ECONOMICAL:** Bumper delivers yields that are comparable to other fungicides – but at a lower rate with better cost control.

**DUAL ACTION:** Bumper has preventative and curative properties (pre-infection and post-infection) unlike other fungicides.

**RESISTANCE MANAGEMENT:** Lower potential for resistance development with triazoles than strobilurin chemistry.

**FLEXIBILITY:** Bumper is registered for use on multiple crops including corn, wheat and soybeans.

**CONFIDENCE:** Consistent, profitable results with a trusted brand and trusted company.



|                 |  |             |  |
|-----------------|--|-------------|--|
| <b>SOYBEANS</b> | <b>Asian Soybean Rust</b><br>(Phakopsora pachyrhizi)<br>Aerial Web Blight<br>(Rhizoctonia solani)<br>Anthracnose<br>(Colletotrichum truncatum)<br>Brown Spot<br>(Septoria glycines)<br>Frogeye Leaf Spot<br>(Cercospora sojina)  | 4-6 fl. oz. | Coverage and penetration are important for best results. Bumper 41.8 EC can be applied by either aerial or ground equipment. Use sufficient water volume to provide thorough and uniform plant coverage. When using aerial application, apply in a minimum of 5 gallons per acre. With ground equipment, apply a minimum of 10 gallons per acre. A minimum of 15 gallons per acre is recommended. Scouting for disease will aid in proper timing and treatment. Apply Bumper at the first indication of disease. Additional applications at 14-21 day intervals can be made based on label instructions. |
|                 | <ul style="list-style-type: none"> <li>• Do not apply more than 12 fl. oz. of Bumper 41.8 EC per acre per season.</li> <li>• Applications may be made up to growth stage R6.</li> <li>• Do not apply more than 0.34 lb. a.i. propiconazole per acre per season.</li> </ul> |             |  |

### CORN

In addition to soybeans, Bumper is also labeled for and controls leaf blights, rusts, gray leaf spot and eye spot diseases in corn. Extensive multi-year University trials in corn show that propiconazole, the active ingredient in Bumper, delivered an average yield increase of 9.8 bushels/acre. In 2007, independent, non-biased, replicated research studies across the Midwest showed that Bumper and Headline® performance was statistically equal, and Bumper cost less at under \$10 per acre. And, because Bumper is both curative and preventative, it offers a wider window of application than Headline.



### WHEAT

Bumper delivers excellent control of rusts, powdery mildew, leaf blight and foot rot in wheat all for less than \$10 per acre at the 4 oz. rate. Across 64 University trials, propiconazole fungicide resulted in an average yield increase of 7.5 bushels/acre. At today's prices the return on investment for a single Bumper application exceeds \$75.00 per acre. And, Bumper provides both preventative and curative properties unlike other fungicides.



### QUALITY PRODUCTS. COMPETITIVE PRICES.

MANA makes sense for growers, for channel partners, for agriculture. MANA offers the most comprehensive and diversified portfolio in the crop protection industry with over 50 formulations of insecticides, fungicides, herbicides, PGRs and harvest aids from more than 40 active ingredients. These proven products are efficiently manufactured to the highest standards and value priced to optimize the farm's profitability potential. As the North American arm of the world's seventh largest agrochemical company, MANA provides best-in-class formulations, regulatory capabilities, field research, and a science-based approach to defend and maintain vital active ingredients that other companies have abandoned. Our area business management team throughout the U.S. supports the distributors, retailers, crop consultants and agronomists who are part of the supply chain that farmers and farm managers rely on for localized expertise.

[www.manainc.com](http://www.manainc.com)



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