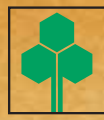


FUNGICIDE



**MANA**  
Crop Protection

*MAKES SENSE.*

# Bumper<sup>®</sup>

PROPICONAZOLE FUNGICIDE

**Key Diseases Controlled:**

- Rusts
- Powdery Mildew
- Leaf Blight
- Foot Rot in Wheat

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

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

**BROAD SPECTRUM CEREAL DISEASE CONTROL:** Rusts, powdery mildew, leaf blight and foot rot in wheat.

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

**YIELD INCREASE:** Across 64 university trials, propiconazole fungicide resulted in an average yield increase of 7.5 bushels/acre. The largest yield increase from a propiconazole treatment in these trials was 41.5 bushels/acre.

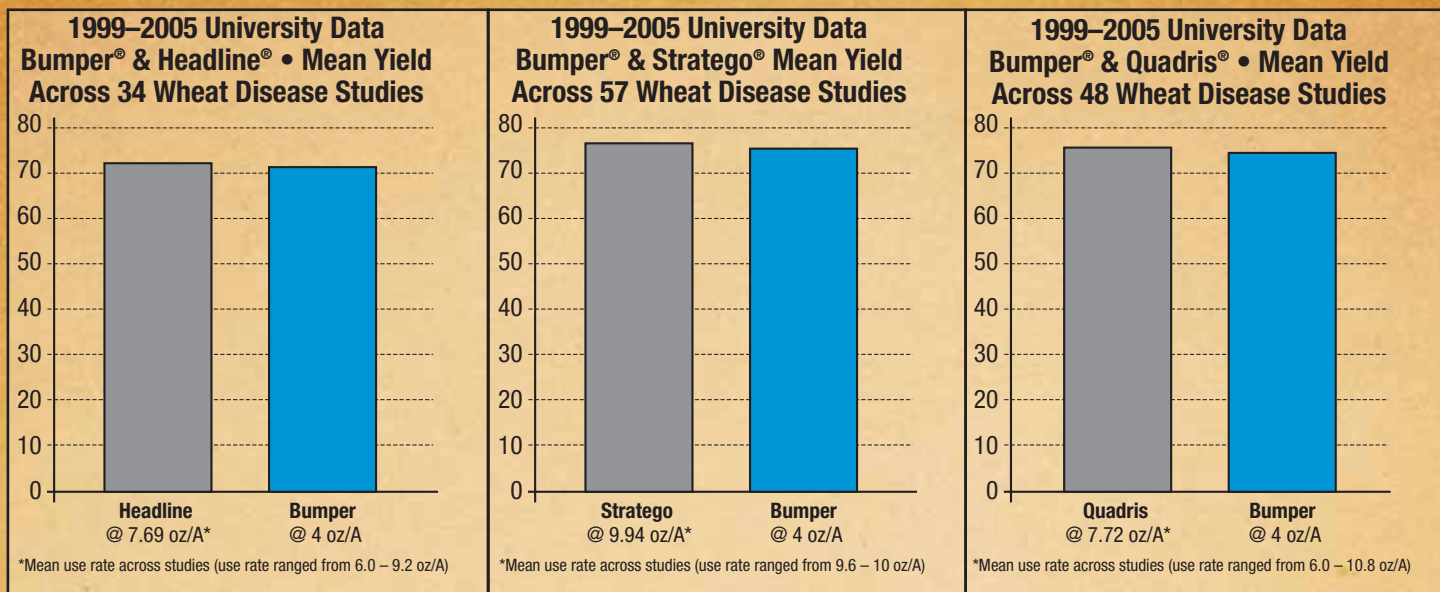
**RETURN ON INVESTMENT:** \$75.00/acre (Bumper cost and application cost already taken out)

**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.

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

# BUMPER: EQUAL PERFORMANCE AT LOWER RATES AND LOWER COSTS.



<b>CEREALS</b> Wheat Barley Rye Triticale Oats	Control of leaf diseases: Rusts, Powdery mildew, Leaf blight, Glume blotch, Tan spot, Helminthosporium leaf blight, Spot blotch, Barley scald, Barley stripe, Net blotch, Fusarium head blight	<b>4 fl. oz.</b>	Protecting the flag leaf is important for maximizing yield. When Bumper 41.8EC is applied at 50% to fully emerged, the highest yields are normally obtained. Applications may be made no closer than at 14 day intervals. The use of an oil based adjuvant may improve spray coverage.
	Early Season Suppression of: Tan spot, Powdery mildew, Glume blotch, Leaf blight	<b>2-4 fl. oz.</b>	For early season leaf disease suppression, apply recommended rate of Bumper 41.8EC for suppression of listed diseases. Apply in the spring. Make a second application up to Feekes growth stage 10.5 for season long control. Applications may be made no closer than a 14 day interval.
	Foot rot	<b>4 fl. oz.</b>	Apply recommended rate of Bumper 41.8 EC per acre plus half rates of other EPA-registered fungicides such as Topsin M. Apply at tillering but before elongation has occurred.
	<ul style="list-style-type: none"> <li>• Applications may be made using ground, air, or chemigation equipment.</li> <li>• Do not apply more than 8 fl. oz. of Bumper 41.8 EC per acre per season, but do not apply more than 4 fl. oz. per acre per season if forage or hay will be harvested.</li> <li>• Do not apply more than 4 fl. oz. of Bumper 41.8 EC per acre per season in CA and NY.</li> <li>• Do not apply within 30 days of harvest for forage, 40 days before harvest for grain and straw, and 45 days before harvest for hay.</li> <li>• Do not apply more than 0.22 lb. a.i. propiconazole per acre per season.</li> </ul>		

## 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)



**MAKES SENSE.**

