

Management of Small Grain Diseases (NCERA-184)—Fungicide Efficacy for Control of Wheat Diseases

The North Central Regional Committee on Management of Small Grain Diseases has developed the following information on fungicide efficacy for control of certain foliar diseases of wheat for use by the grain production industry in the U. S. Efficacy ratings for each fungicide listed in the following table were determined by field testing the materials over multiple years and locations by the members of the committee. Efficacy is based on proper application timing to achieve optimum effectiveness of the fungicide as determined by labeled instructions and overall level of disease in the field at the time of application. Differences in efficacy among fungicide products were determined by direct comparisons among products in field tests and are based on a single application of the labeled rate as listed in the table.

Efficacy of fungicides for wheat disease control based on appropriate application timing.

| | <i>Product</i> | <i>Fungicide(s)</i> | <i>Rate/A (fl oz)</i> | <i>Powdery mildew</i> | <i>Stagonospora leaf/glume blotch</i> | <i>Septoria leaf blotch</i> | <i>Tan spot</i> | <i>Stripe rust</i> | <i>Leaf rust</i> | <i>Head scab</i> |
|--|------------------|--|-----------------------|-----------------------|---------------------------------------|-----------------------------|-----------------|--------------------|------------------|--------------------|
| <i>Strobilurin</i> | Headline 2.09 EC | Pyraclostrobin 23.6% | 6.0 to 9.0 | G ¹ | VG | VG | E | E ² | E | NR |
| | Quadris 2.08 SC | Azoxystrobin 22.9% | 6.2 to 10.8 | F(G) ³ | VG | VG | E | E ² | E | NR |
| <i>Triazole</i> | Proline 480 SC | Prothioconazole 41% | 5.0 to 5.7 | — ⁴ | VG | VG | VG | — | VG | G(VG) ³ |
| | PropiMax 3.6 EC | Propiconazole 41.8% | 4.0 | VG | VG | VG | VG | VG | VG | F |
| | Tilt 3.6 EC | Propiconazole 41.8% | 4.0 | VG | VG | VG | VG | VG | VG | F |
| <i>Premix</i> | Quilt 200 SC | Azoxystrobin 7.0% Propiconazole 11.7% | 14.0 | VG | VG | VG | VG | E | E | NR |
| | Stratego 250 EC | Propiconazole 11.4% Trifloxystrobin 11.4% | 10.0 | G | VG | VG | VG | VG | G | NR |
| <i>Section 18 triazole⁵</i> | Folicur 3.6 F | Tebuconazole 38.7% | 4.0 | G | VG | VG | VG | E | E | G |

This information is provided only as a guide. It is the responsibility of the pesticide applicator by law to read and follow all current label directions. No endorsement is intended for products listed, nor is criticism meant for products not listed. Members of NCR-184 assume no liability resulting from the use of these products.

¹Efficacy categories: NR, not recommended; F, fair; G, good; VG, very good; E, excellent.

²Efficacy may be significantly reduced if solo strobilurin products are applied after infection of has occurred.

³(G) indicates greater efficacy at higher application rates.

⁴Insufficient data to make statement about efficacy of this product.

⁵Folicur does not currently have a federal label, but it may be labeled or have Section 18 emergency registration in some states in 2008.