



## **WHEAT FUNGICIDES: PROTECT THE FLAG LEAF**

The wet conditions make disease a major concern in wheat. Generally, the most effective time to apply fungicides is from flag leaf emergence to completion of heading. Photosynthates produced by the flag leaf may contribute up to 50% of the grain yield. The use of a spreader-sticker will help improve leaf retention and fungicide performance but check the label to see what surfactant the company recommends for each particular fungicide.

There are four groups of fungicides for wheat. The trizoles are sterol biosynthesis inhibitors (fungicide mode of action 3); strobilurins are QoI respiration inhibitors (fungicide mode of action 11); fungicides that are a combination of trizoles and strobilurins; and a fungicide with a new mode of action called Priaxor. Priaxor is a combination of Fluoxapyroxad (fungicide mode of action 7) and Pyraclostrobin.

Trizoles have upward systemic plus curative activity. They give a good two weeks of protection and up to three weeks of fair protection. They would be the fungicides of choice if diseases such as Stagonospora leaf and glume blotch, leaf rust, stripe rust, powdery mildew or tan spot are found in the field. They include:

Caramba (Metconazole) 10-14 oz/A

Tilt, Propimax (Propiconazole) 4 oz/A

Proline (Prothioconazole) 4.3-5 oz/A

Folicur (Tebuconazole) 4 oz/A

Strobilurins are locally systemic and give three weeks of good protection and up to four weeks of fair protection. They are the fungicides of choice if no disease was found in the field and a grower wanted maximum protection. They include:

Quadris (Azoxystrobin) 6.2-10.8 oz/A

Evito (Fluoxastrobin) 2-4 oz/A

Headline (Pyraclostrobin) 6-9 oz/A

The combination fungicides of trizoles + strobilurins gives a grower both modes of action- protection + curative activity (the best of both worlds). They include:

Quilt, QuiltXcel (Propiconazole-Azoxystrobin) 7-14 oz/A

Prosaro (Prothiconazole-Tebuconazole) 6.5-8.2 oz/A

Stratego YLD (Prothioconazole-Trifloxystrobin) 4 oz/A

Stratego (Propiconazole-Trifloxystrobin) 10 oz/A

Absolute (Tebuconazole-Trifloxystrobin) 3-5 oz/A

Priaxor (Fluoxapyroxad-Pyraclostrobin) gives both protection and curative activity. It has performed excellent in research trials and may be a new fungicide growers may want to try. Priaxor's rate is 4-8 oz/A.