

IS YOUR CEREAL YIELD POTENTIAL AT RISK?



What level of infection warrants a fungicide application to protect the flag leaf?

All three pictures at left show a level of disease that should be a concern. The lesions you are seeing are not the whole story. More tissue has been infected but is not showing symptoms yet. Leaf diseases typically begin on the lower or middle leaves and move up the plant towards the emerging flag leaf. Even a few lesions on the middle leaves (3rd or 4th leaf) can put the health of the flag leaf and penultimate leaf at risk - and ultimately, the yield of your cereal crop is at stake.

What's at stake? In wheat,

55% of yield comes
from the flag leaf.

In barley, up to

65% of yield comes
from the flag and penultimate leaf.

Know your risk factors

It's hard to get out and walk every acre - but some fields are at greater risk. Here are some guidelines to help you decide which fields to make a priority:

- A healthy crop with high-yielding potential
- A crop that shows lush growth and a heavy canopy
- A crop where quality (plump and bushel weight) is as important as yield
- A crop subject to rainfall, heavy dew and/or high humidity

DID YOU KNOW?

Even in dry conditions, a lush crop can create a moist microclimate inside the canopy that will encourage the progression of disease symptoms up the plant.

Tips on how to scout and when to take action

Scout at tillering and again at flag leaf emergence

- Survey the whole plant
- Inspect the lower and middle leaves
- Any level of infection on middle leaves can put your emerging flag leaf at risk

Application Window



 **Trivapro™**  **Quilt®**

Apply Trivapro or Quilt at early flag leaf

Count on Trivapro™ or Quilt® fungicides – two great options for cereal leaf disease control. Trivapro works harder and lasts longer as the first foliar fungicide on the market to combine three powerful active ingredients with three modes-of-action.

- Apply Trivapro or Quilt before disease has infected the flag and penultimate leaf, ideally, just as the flag leaf is emerging.
- If disease has climbed to the 3rd or 4th leaf, that is your cue that your flag leaf is at risk and you should be ready to spray as soon as it emerges.
- Optimally, you want the flag leaf visible before applying either product.
- Sometimes an earlier application is warranted to prevent the disease from climbing any further and infecting the flag leaf as it is emerging.

For more information, visit Syngenta.ca or contact our Customer Interaction Centre at 1-877-SYNGENTA (1-877-964-3682).

Always read and follow label directions.
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