



What can seed testing do for you?

FUSARIUM DETECTION ON SEED

Fusarium Head Blight (FHB) is a fungal disease that can infect a number of crops in Canada – however, the crops most affected are wheat, barley and corn. *F. graminearum* is only one of many species of Fusarium, but it is considered the most important one in Canada because of the impact it has on yield and grain quality. Infection is associated with rainfall during the flowering stage. The infection is usually spread by wind, but the pathogen is also spread by planting infected seed.

Crop rotation and tillage have been shown to affect the incidence of FHB. In recent years, decreases in tillage are thought to have contributed to regional scab epidemics by increasing levels of inoculum available for infection. Fungicides, provide partial control of FHB.

F. graminearum percentage infection of seed should be used as a guide for your seeding considerations:

0-1% – the seed is safe to plant anywhere in Saskatchewan.

0-3% – the seed is safe to plant in the west side of Saskatchewan.

0-5% – the seed is safe to plant in the east side of Saskatchewan.

0% – the seed is safe to plant in Alberta.

*any presence of *F. graminearum* on seed should trigger the use of a registered seed treatment.

Total *Fusarium* percentage infection of seed should be used as a guide for your seeding considerations:

0-7% – consider use of a registered seed treatment.

8-14% – the seed should be treated with a registered seed treatment.

> 14% – the seed should not be planted.

For more information please contact

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Translating Lab Analysis into Producer Profits