

Requesting assistance to enhance Saskatchewan Fusarium Head Blight maps

The University of Manitoba (U of M) in partnership with Alberta Grains, Saskatchewan Wheat Development Commission (Sask Wheat), Saskatchewan Barley Development Commission (SaskBarley), Manitoba Crop Alliance (MCA) and the provincial governments of Alberta, Saskatchewan and Manitoba, continues to offer free public access to a mapping tool that shows the level of risk for Fusarium head blight (FHB) disease in wheat, durum and barley. From May 15 to Aug. 31, the site uses free, publicly available weather data (air temperature, relative humidity, rainfall preceding the time of flowering) from over 500 weather stations across the prairies to calculate the risk of FHB and generate the risk maps.

Currently the number of weather stations available in Saskatchewan to generate the maps is less than ideal. Increasing the number of stations available to the risk mapping tool in Saskatchewan is a high priority. In order to provide additional data, we ask for your help by allowing data from your Pessl / Metos weather station to contribute to the FHB model (your data will not be used for any other purpose). Metos Canada Inc. is Ag Data Transparent (logo of ADT on the notice), therefore we require your permission to transfer anonymized data to be used for calculating disease risk in the FHB risk mapping tool.

In order to contribute, you need to have a Pessl / Metos weather station.

You can contribute in any of the following manners:

- **Existing Pessl / Metos station owners** – email your station ID, contact information, and authorization to contribute your station data to the model by May 1 to sales@metos.ca.
- Purchase a Pessl / Metos station by contacting sales@metos.ca and include your authorization to contribute the station data to the model by May 1.

- **Submit your request for one of 25 free Pessl / Metos weather stations by April 20.** There have been 25 locations identified in Saskatchewan where the installation of a weather station would help to fill a gap in the current network (see list below). All of the locations are within range of the network coverage needed for real-time transmission of weather data to the FHB risk mapping tool. If you are a land owner **within five miles** of any of the locations below, you can email your contact information, land description and a request to be considered for one of the 25 free sponsored stations to Paul.Bullock@umanitoba.ca.

If your location is selected, you will be contacted to receive a free Pessl / Metos weather station for three years. It will be installed by Metos and you will have access to the raw weather data. You will need to provide authorization to contribute your station data to the FHB risk mapping tool for a minimum of the 2024, 2025 and 2026 growing seasons.

List of locations for 25 free weather stations:

- 8 miles northeast of Oxbow
- 5 miles southeast of Forget
- 10 miles east of Francis
- 13 miles west-southwest of Bengough (between Willow Bunch and Willow Bunch Lake)
- 3 miles northeast of Edenwold
- 19 miles west-northwest of Melville
- 10 miles southwest of Bredenbury
- 11 miles north-northwest of Canora (between Tadmore and Amsterdam)
- 7 miles southwest of Sheho
- 12 miles south-southwest of Humboldt
- 5 miles west of Fosston
- 14 miles west of Archerwill
- 4 miles southwest of Wakaw
- 9 miles north of Tisdale
- 8 miles east-southeast of Prince Albert (near Stanleyville)
- 10 miles west-southwest of Blaine Lake (near Krydor)
- 4 miles northwest of Turtleford
- 3 miles west of Cutknife
- 22 miles northeast of Biggar (near Struan)
- 7 miles south of Biggar
- 14 miles northeast of Hanley
- 3 miles northwest of Eston
- 7 miles northeast of Chaplin
- 5 miles south-southwest of Hodgeville
- 15 miles northwest of Swift Current (near Success)