

Forecast and Risk Maps for Insect Pests of Prairie Field Crops based on 2021 Surveys

Presented by Meghan Vankosky
Agriculture and Agri-Food Canada, Saskatoon

With funding and support from*:



Agriculture and Agri-Food Canada































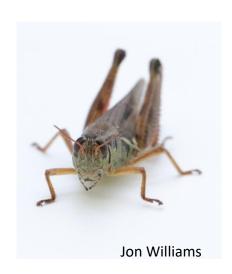


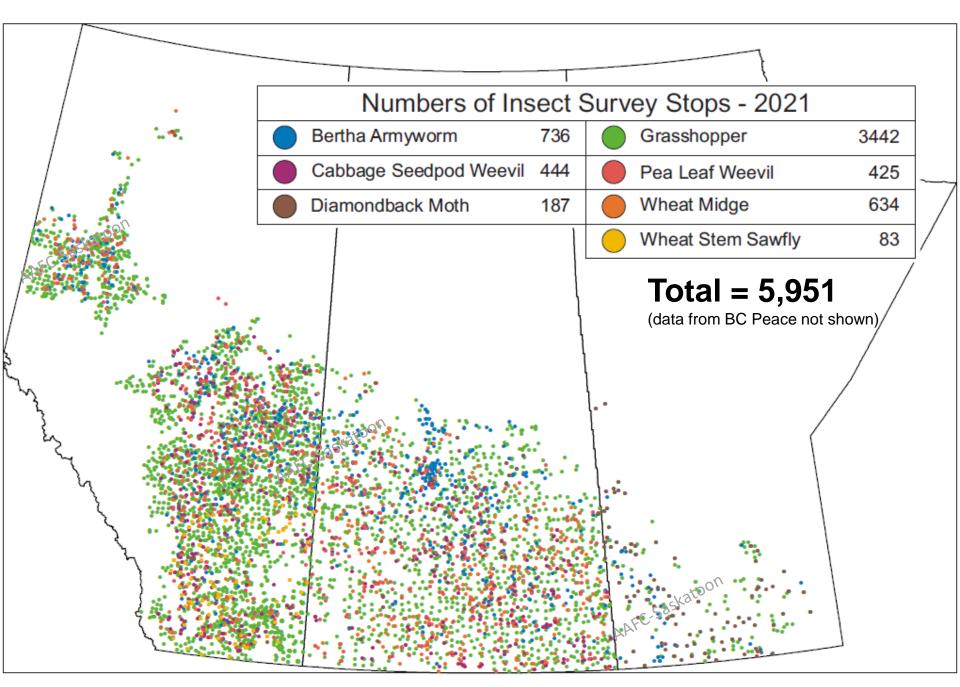
Prairie Insect Monitoring Team

Data provided through partnership with:

- Alberta Agriculture, Forestry and Rural Economic Development
- Saskatchewan Ministry of Agriculture
- Manitoba Agriculture
- Western Grains Research Foundation
- Saskatchewan Canola Development Commission
- Saskatchewan Pulse Growers
- Manitoba Canola Growers Association
- Alberta Wheat Commission
- Saskatchewan Wheat Development Commission
- Prairie Oat Growers Association
- Manitoba Crop Alliance
- Manitoba Pulse and Soybean Growers
- Saskatchewan Flax Development Commission
- BC Grain Producers Association
- Saskatchewan Crop Insurance Corporation
- Canola Council of Canada
- Alberta Canola Producers Commission

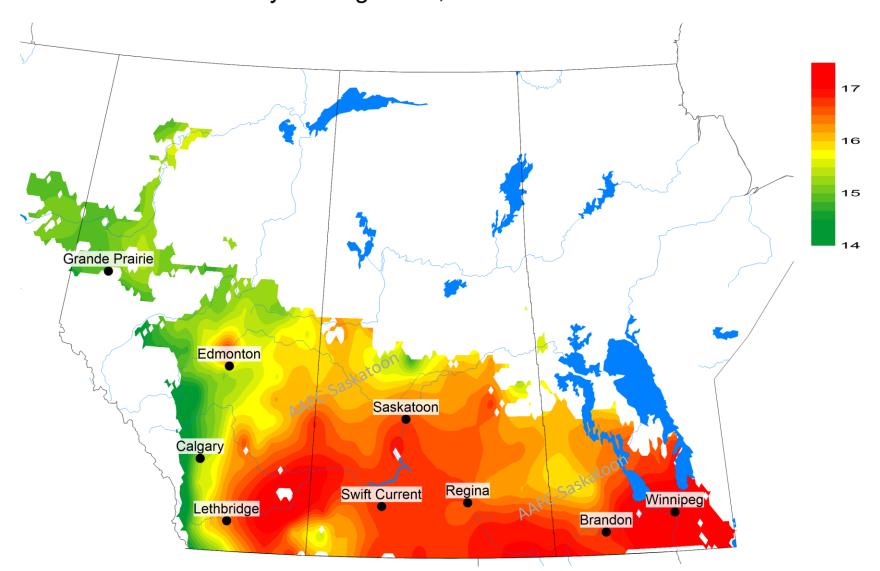
Maps prepared by David Giffen, Ross Weiss, and Shane Hladun (Agriculture and Agri-Food Canada – Saskatoon Research and Development Centre).



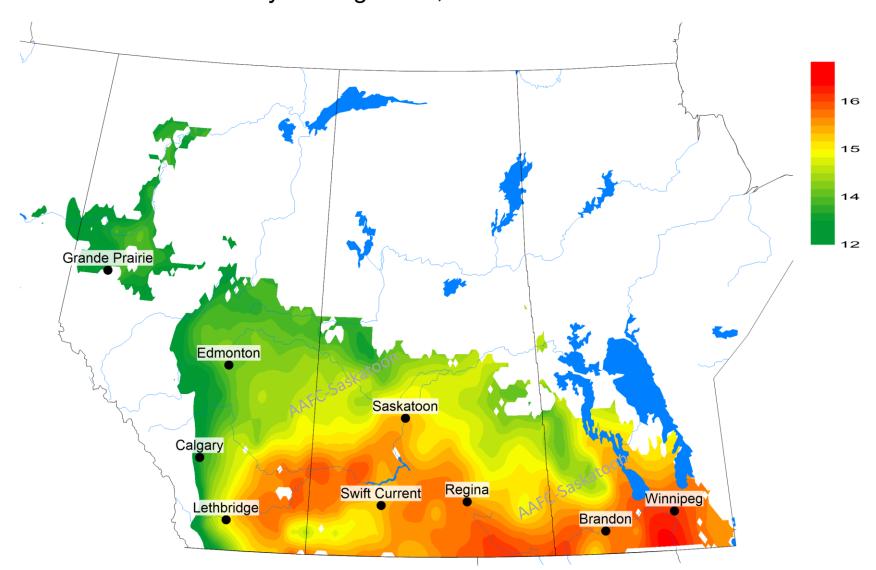


Map by David Giffen (AAFC Saskatoon)

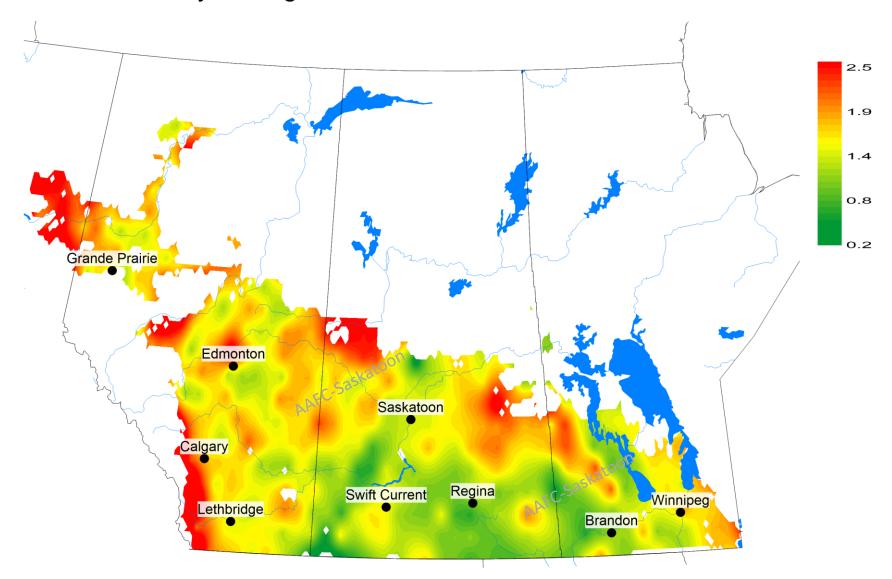
Growing season average temperature (°C) Observed (Average = 15.7 °C) May 1 - August 31, 2021



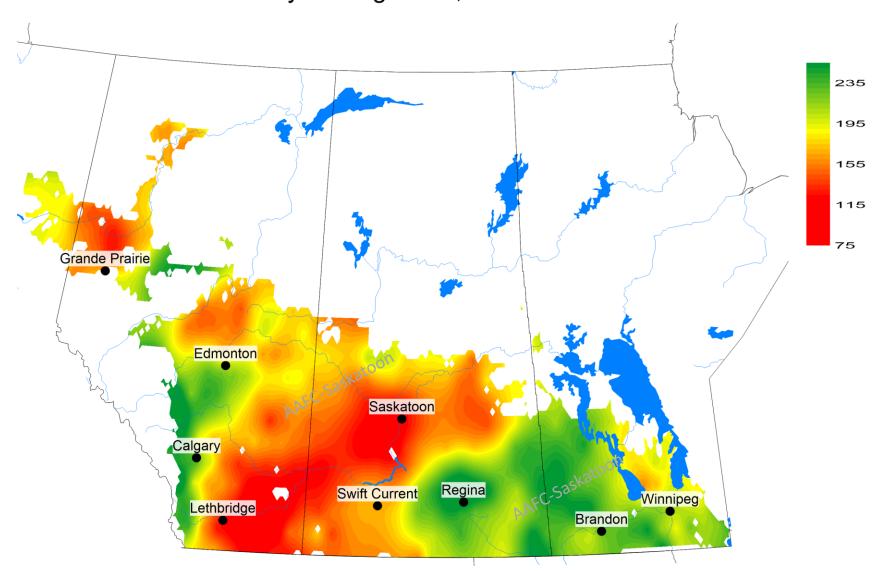
Growing season average temperature (°C) Climate normals (Average = 13.9 °C) May 1 - August 31, 2021



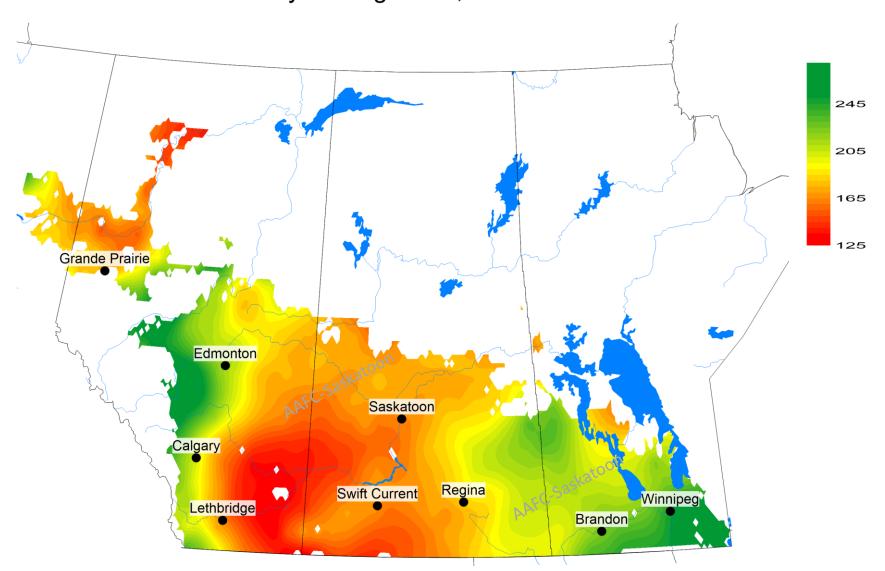
Growing season temperature difference from normal (°C) Avg=1.8 °C May 1 - August 31, 2021



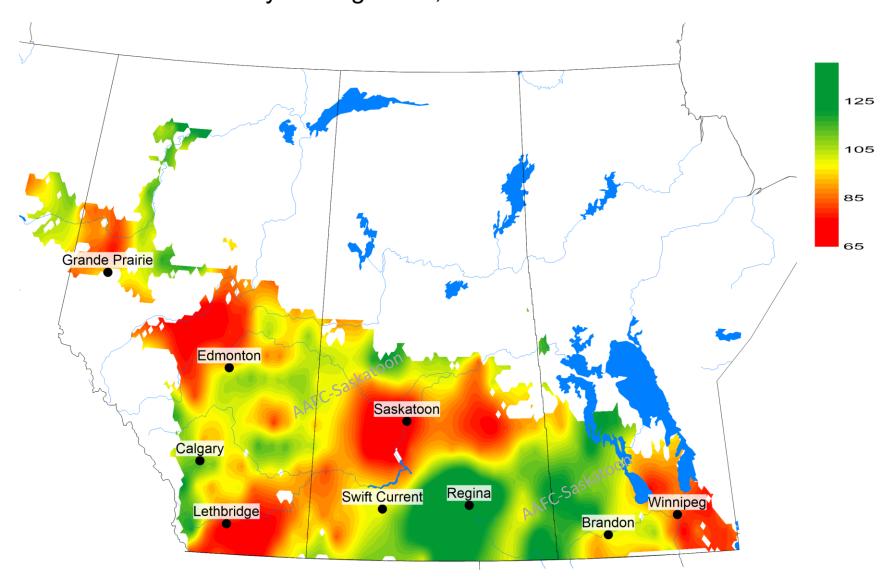
Growing season cumulative rain (mm) Observed (Avg=188.6 mm) May 1 - August 31, 2021



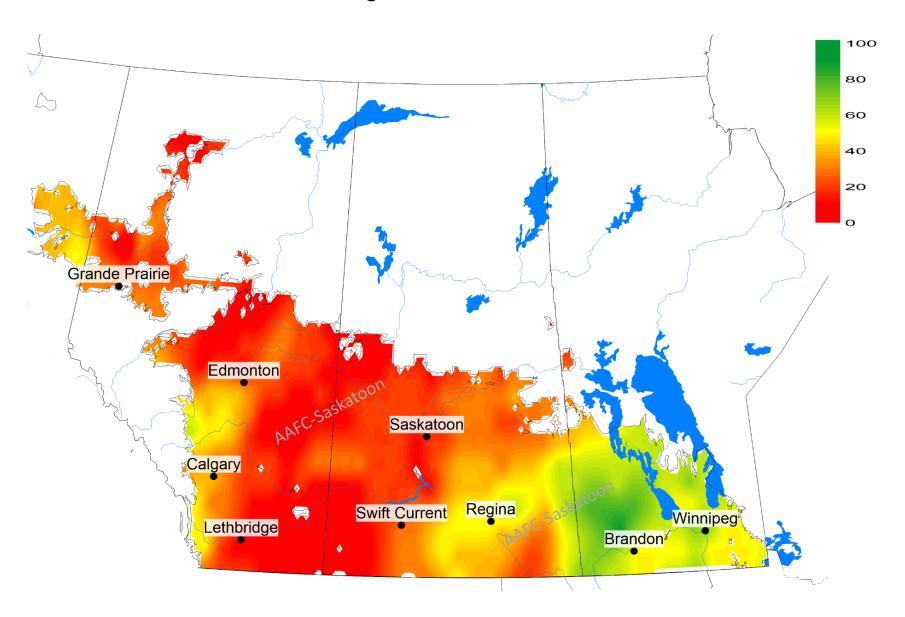
Growing season cumulative rain (mm) Climate normals (Avg=190.1 mm) May 1 - August 31, 2021

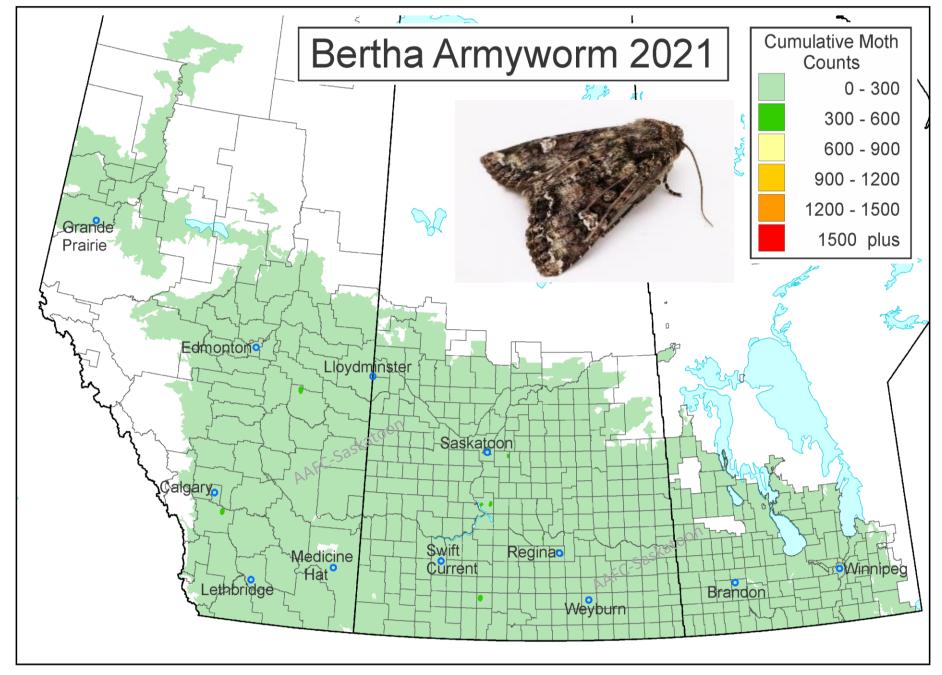


Growing season percent of normal rain (%) Percent of climate normal (99.8%) May 1 - August 31, 2021

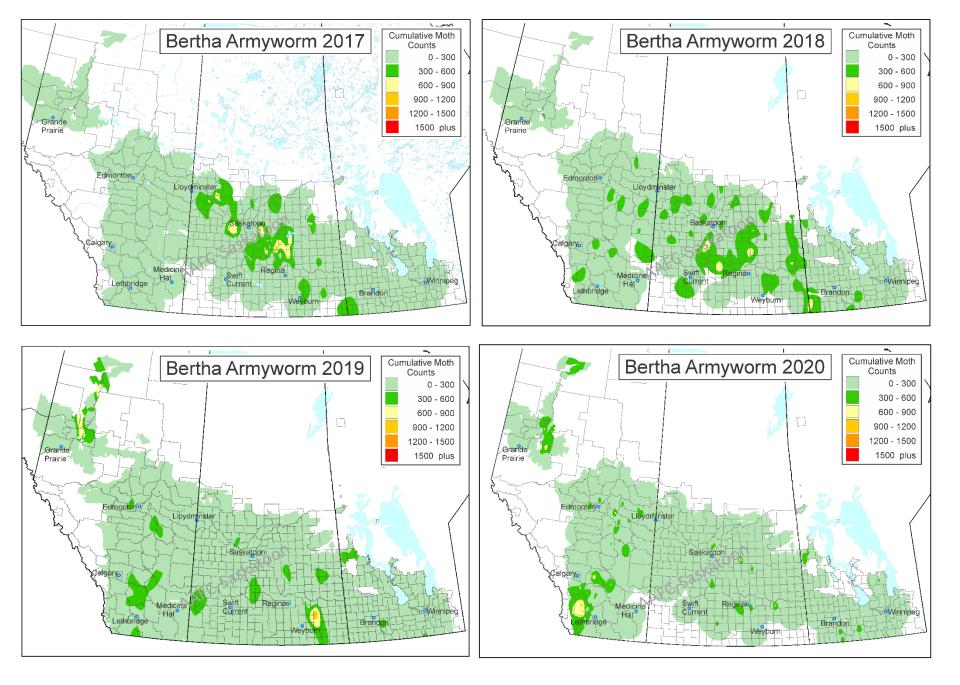


Modelled soil moisture (%) August 31, 2021

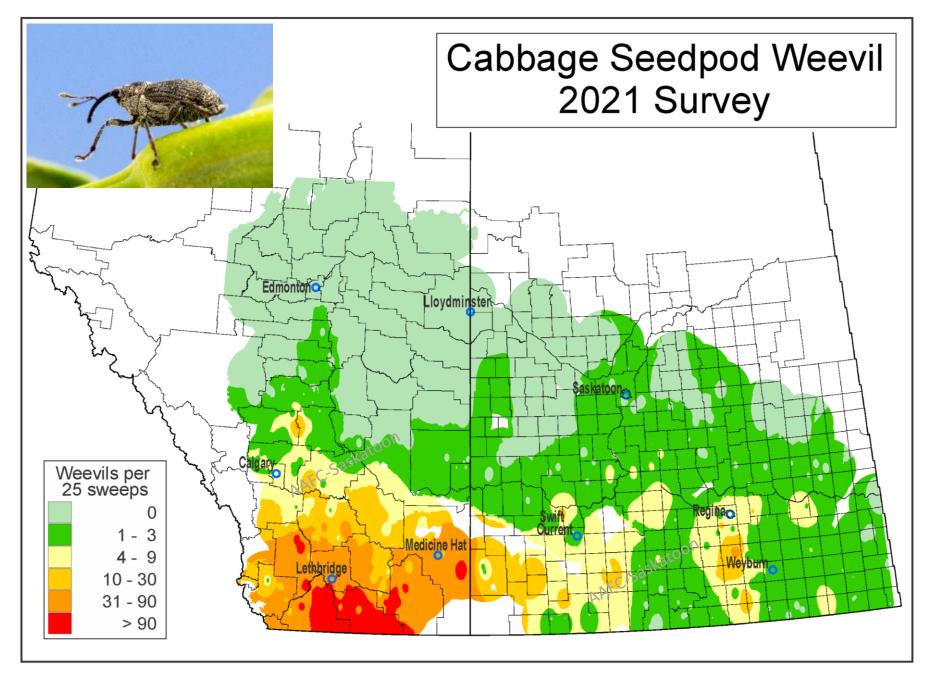




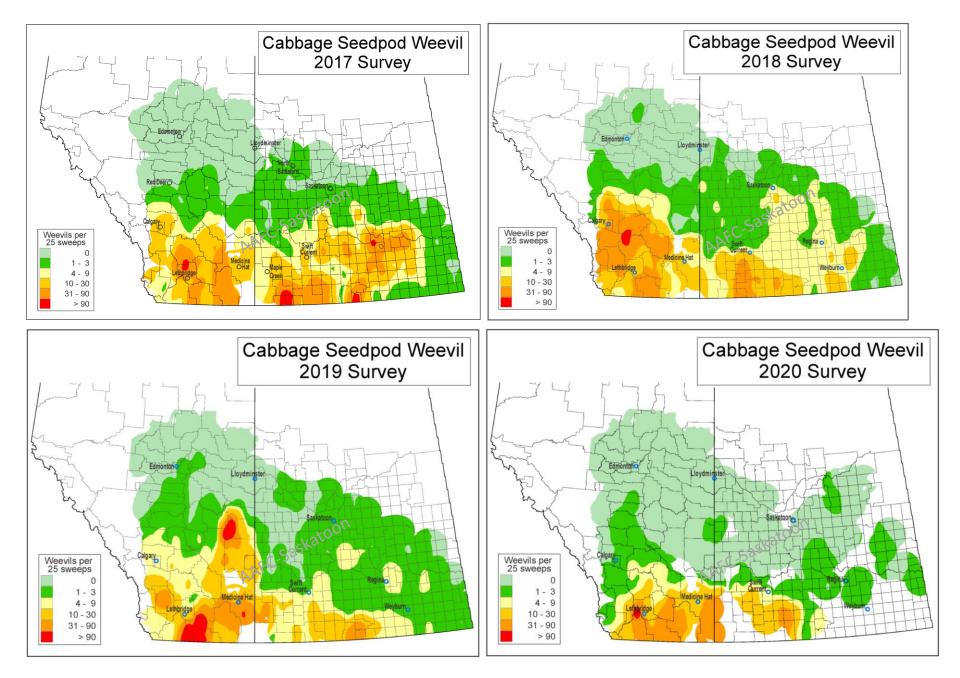
Map by David Giffen; Image by Jon Williams



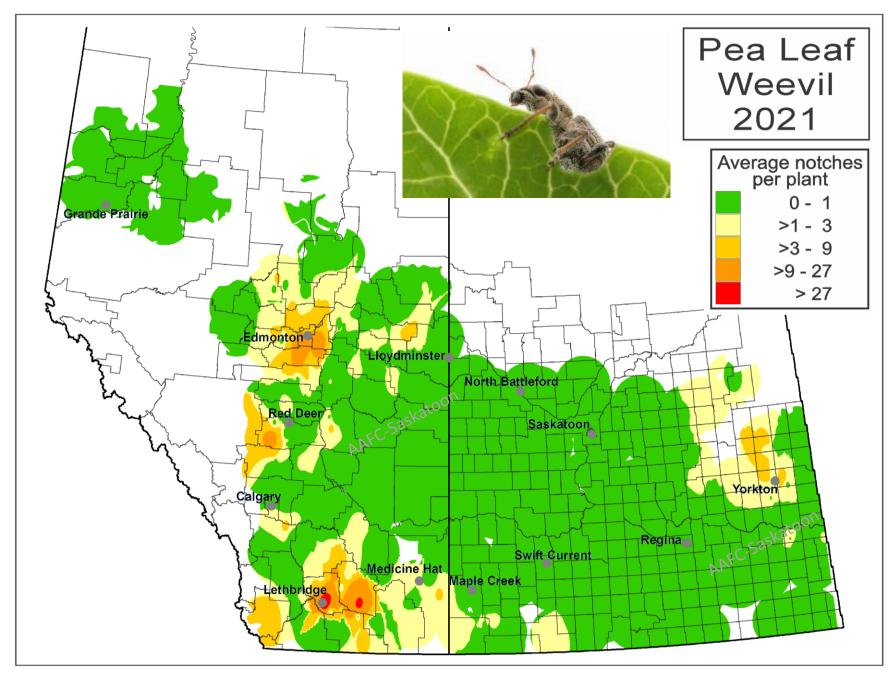
Maps by David Giffen (AAFC-Saskatoon)



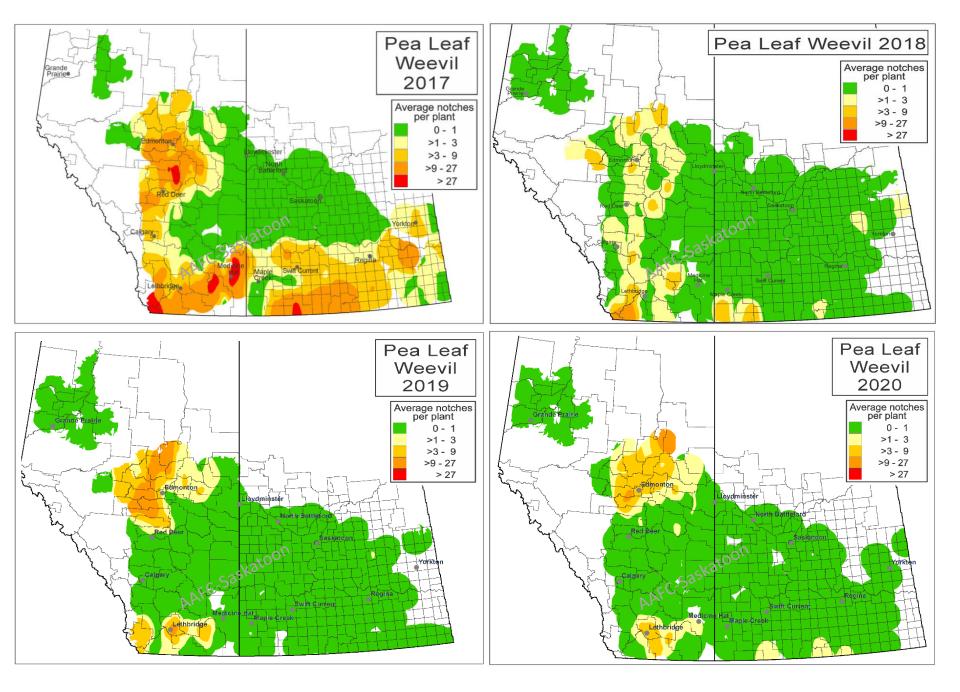
Map by David Giffen; Image by Shelley Barkley



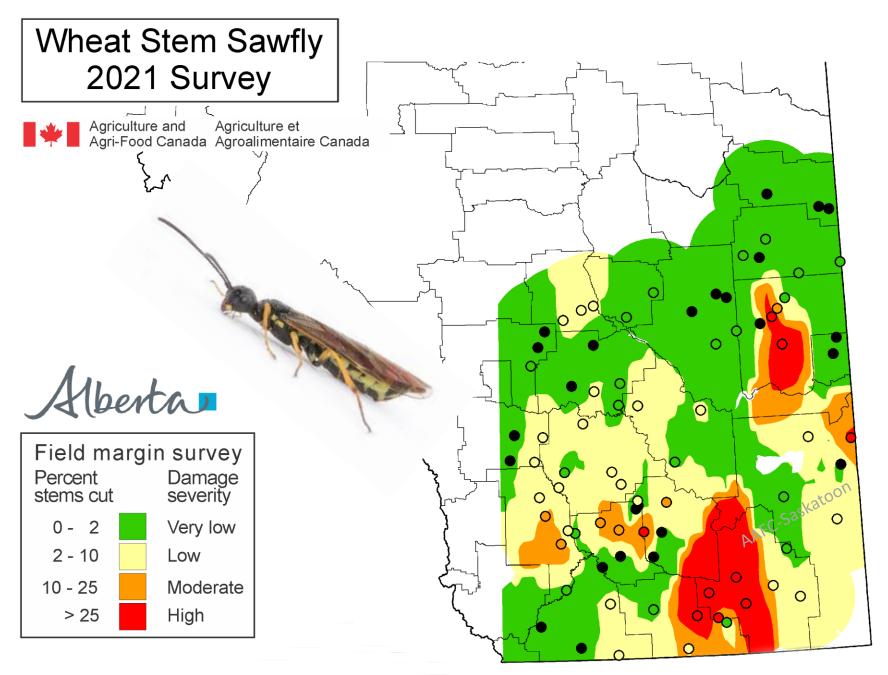
Maps by David Giffen (AAFC-Saskatoon)



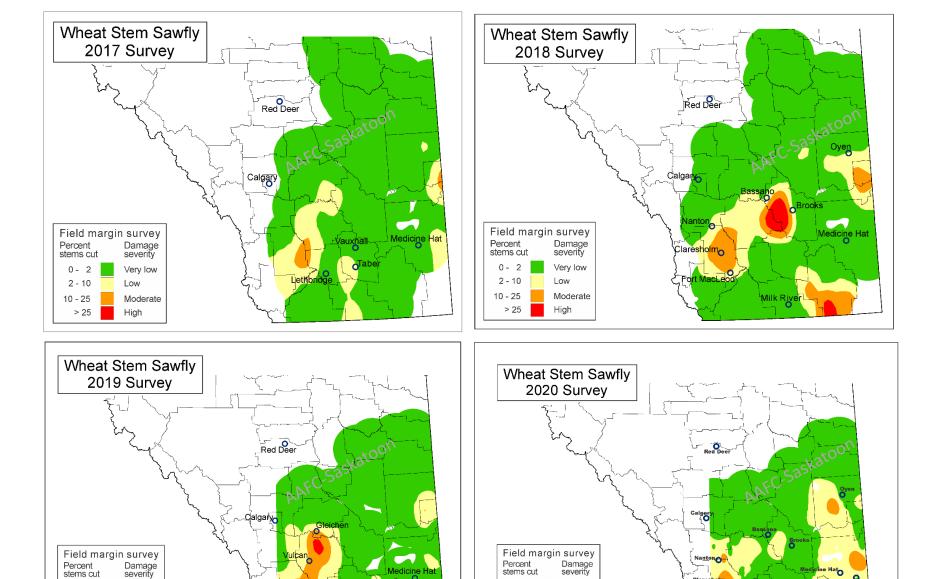
Map by David Giffen; Image by Jon Williams



Map by David Giffen (AAFC-Saskatoon)



Map by David Giffen; Image by Dylan Sjolie



Maps by David Giffen (AAFC-Saskatoon)

Very low

Moderate

High

10 - 25

> 25

0 - 2

2 - 10

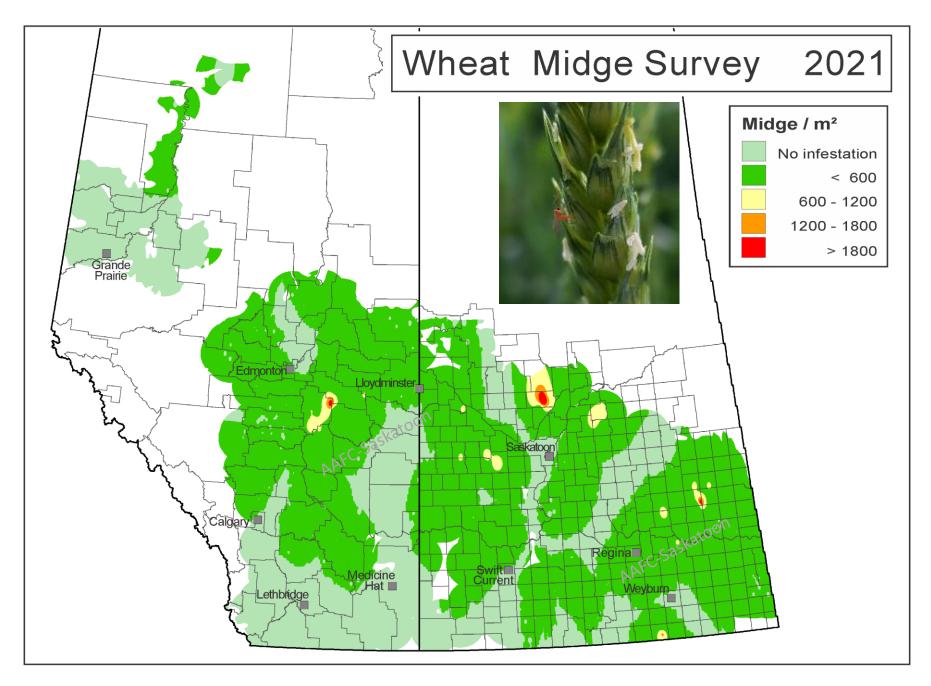
10 - 25

> 25

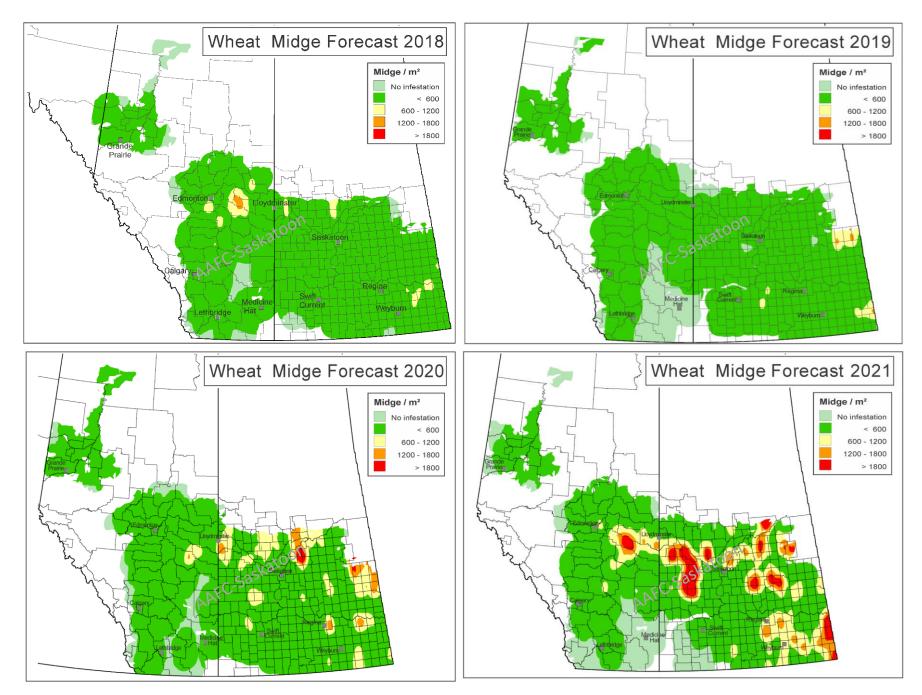
Very low

Moderate

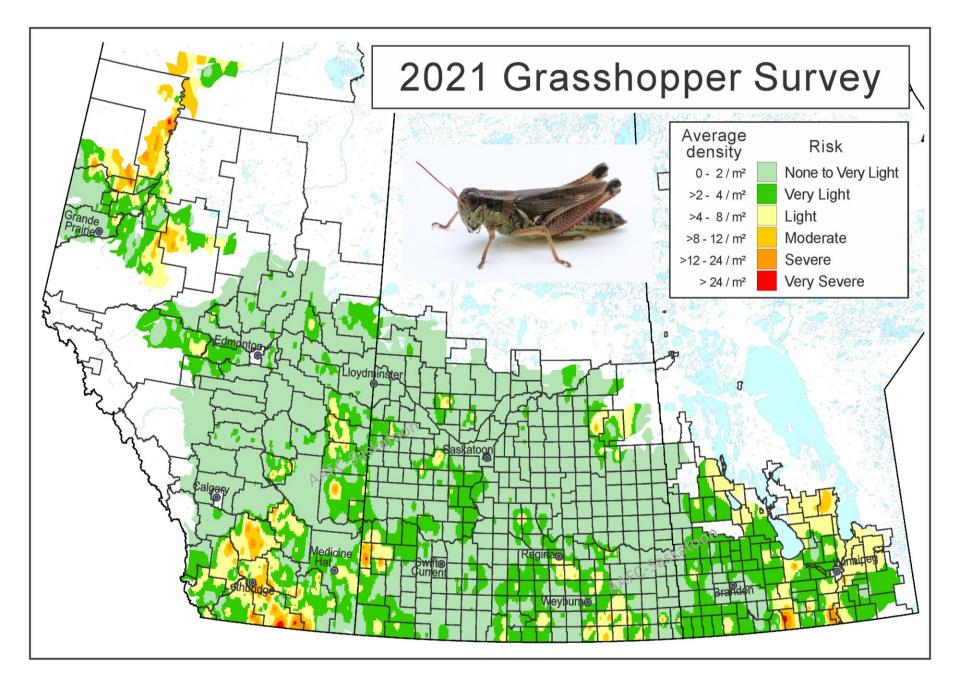
Low



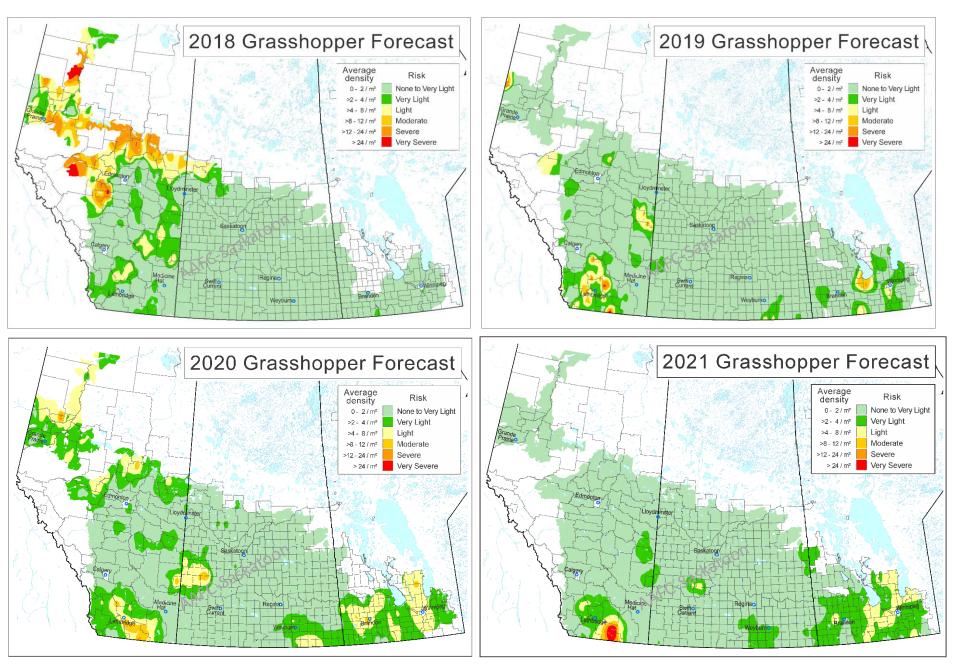
Map by David Giffen; Image by Tyler Wist; Data from BC Peace not shown



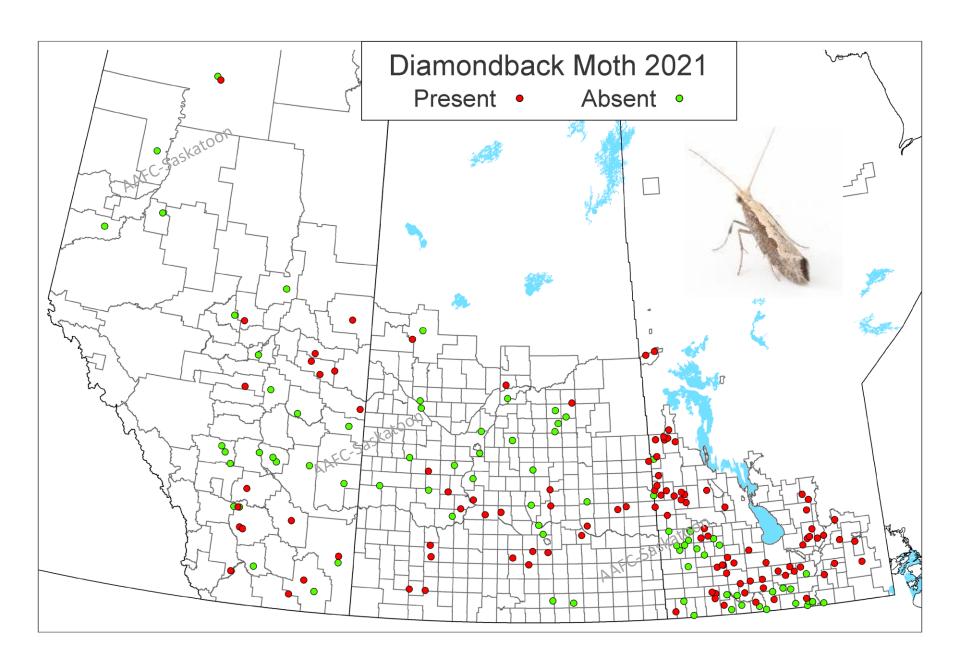
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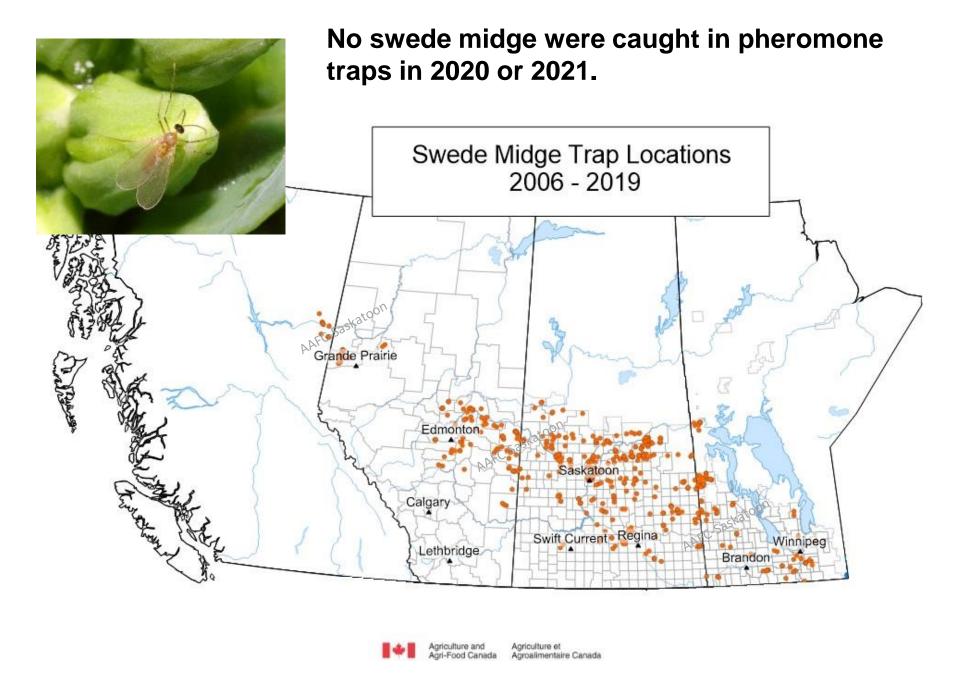
Map by David Giffen; Image by Jon Williams



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Map by David Giffen; Image by Jon Williams



Map by Shane Hladun, Image by Jon Williams