



Figuring out the Future of Foliar Fungicide Decisions:

Developing the Sclerotinia Stem Rot Risk Assessment Tool

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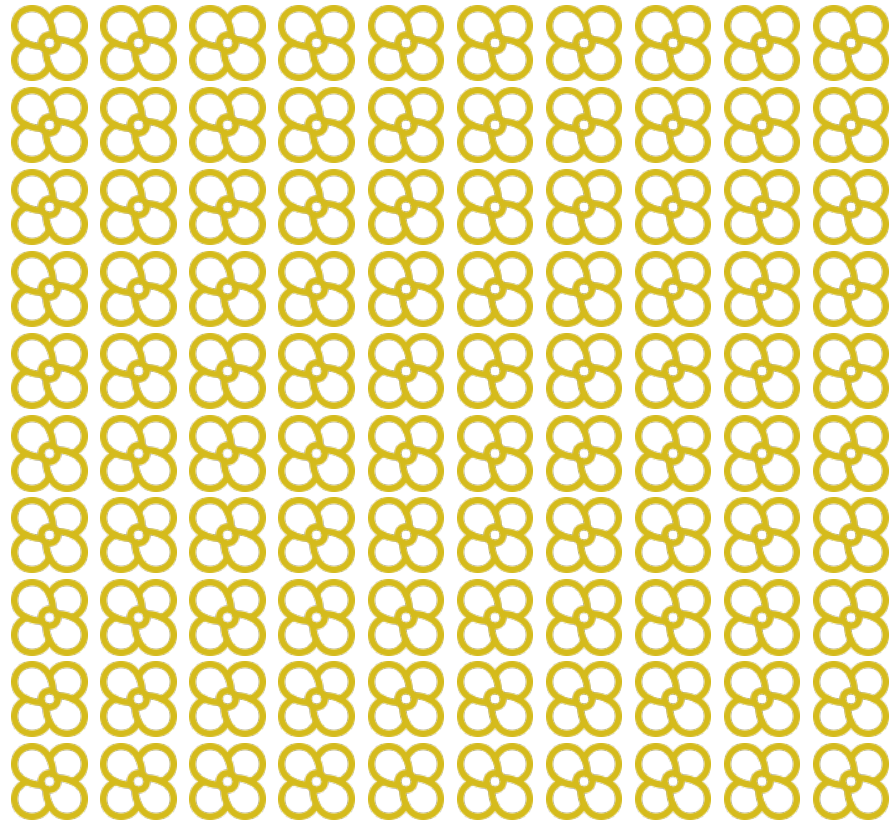
Agriculture et
Agroalimentaire Canada





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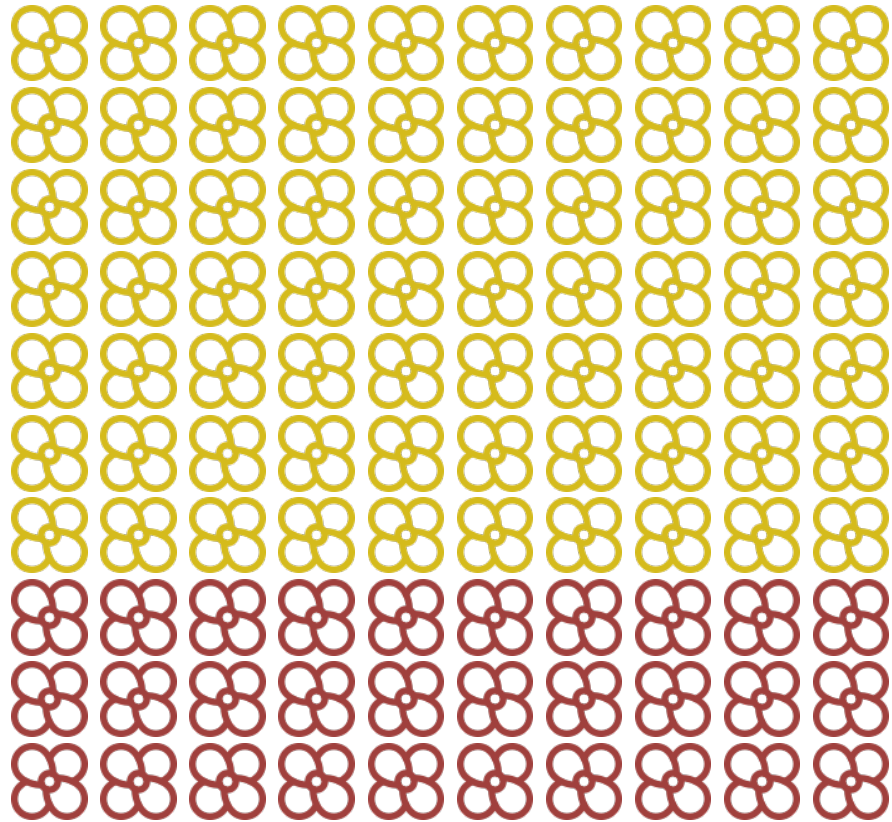


0% infected

=



No yield loss

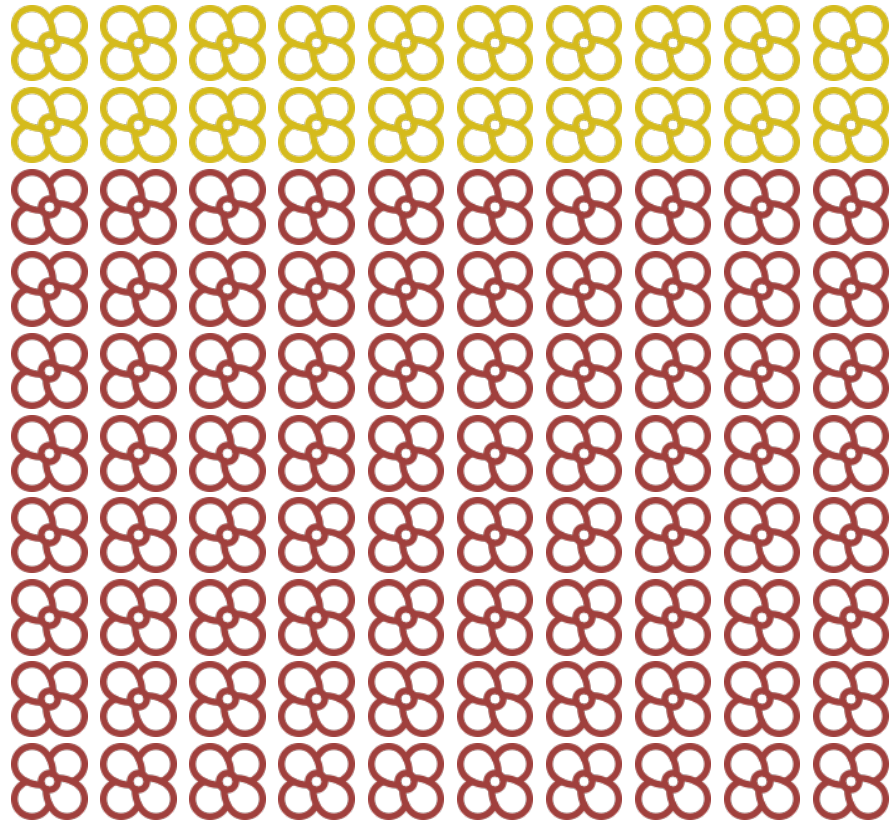


30% infected
(Alberta, 2016)

=



15% yield loss



80% infected
(1 field, 2023)

=



40% yield loss

Rainfall in last 14 days

Likelihood of rain in 3-day forecast

Plant density

Years since last host crop

Severity in last host crop

Estimation of sclerotia germination

Risk Points

0

5

10

15

20

25

30

35

40

45

50

55

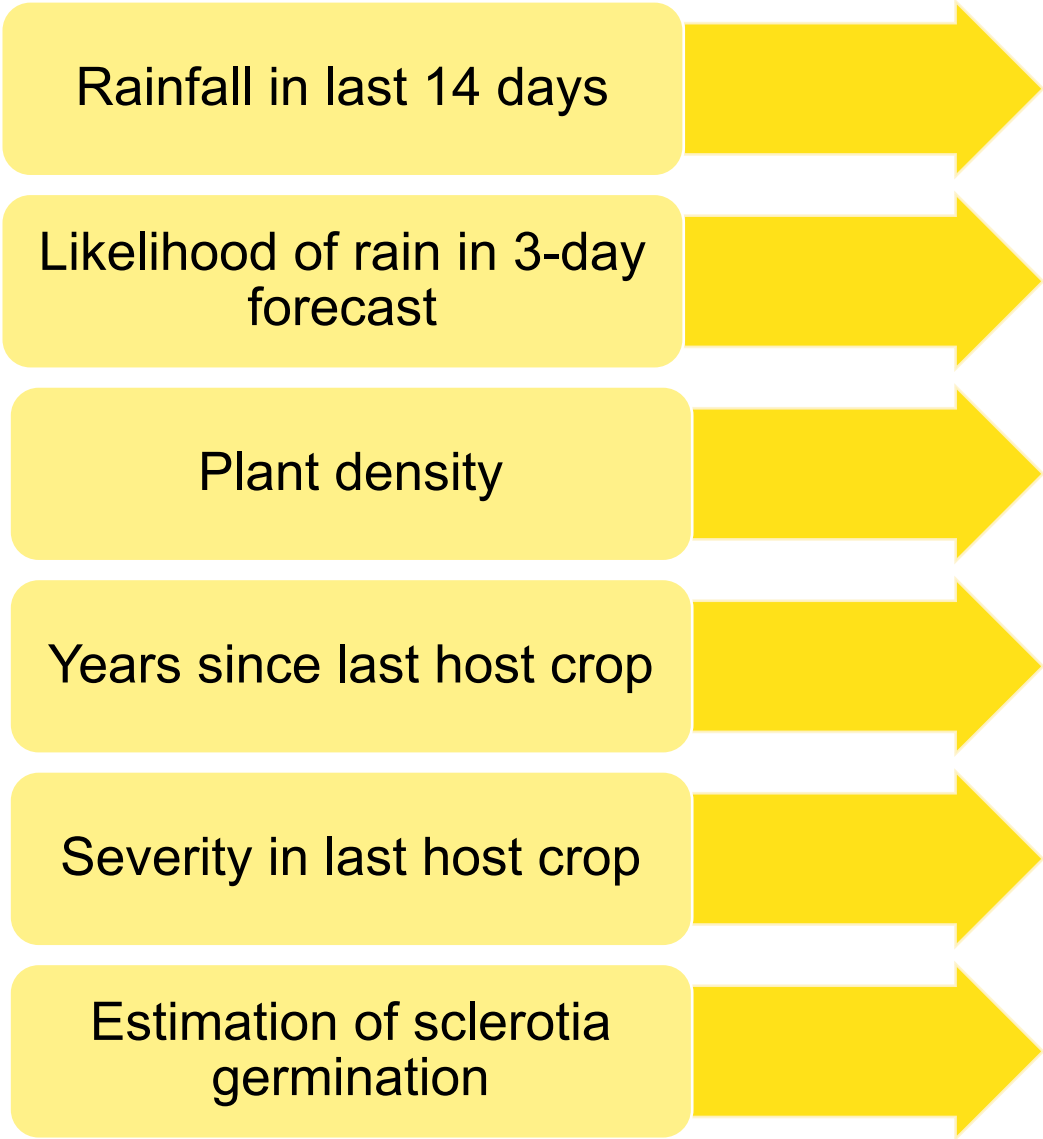
60

65

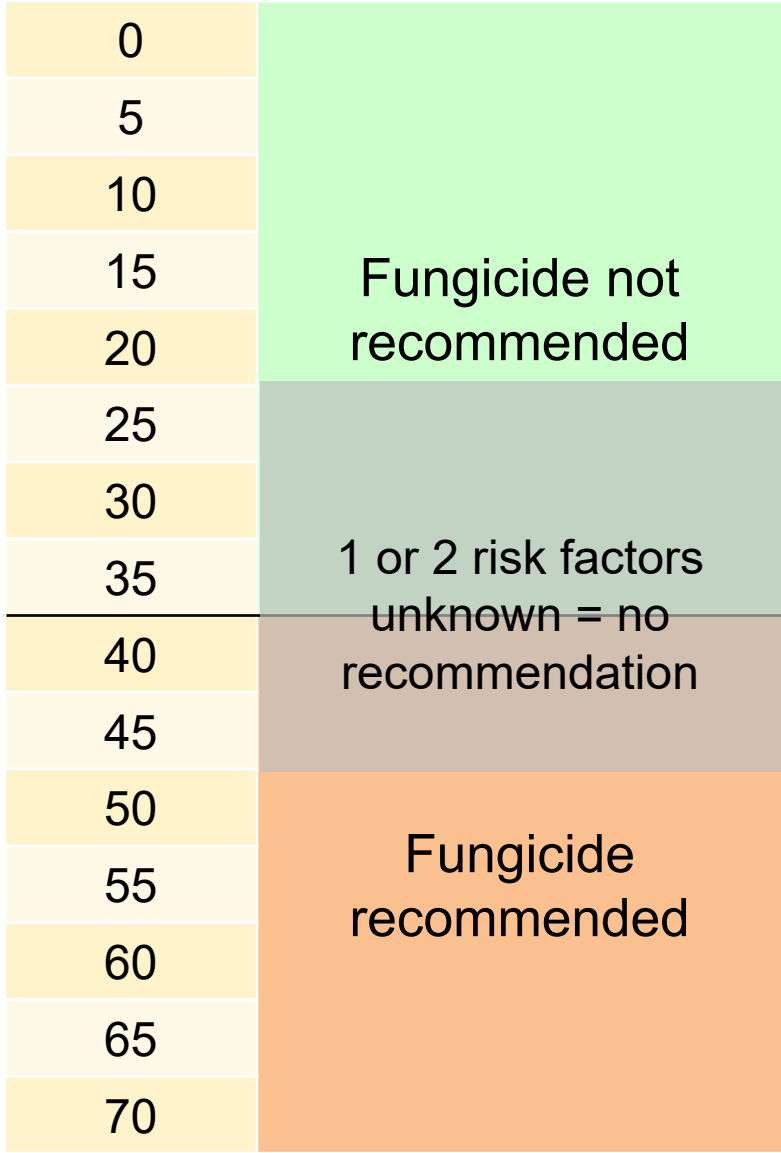
70

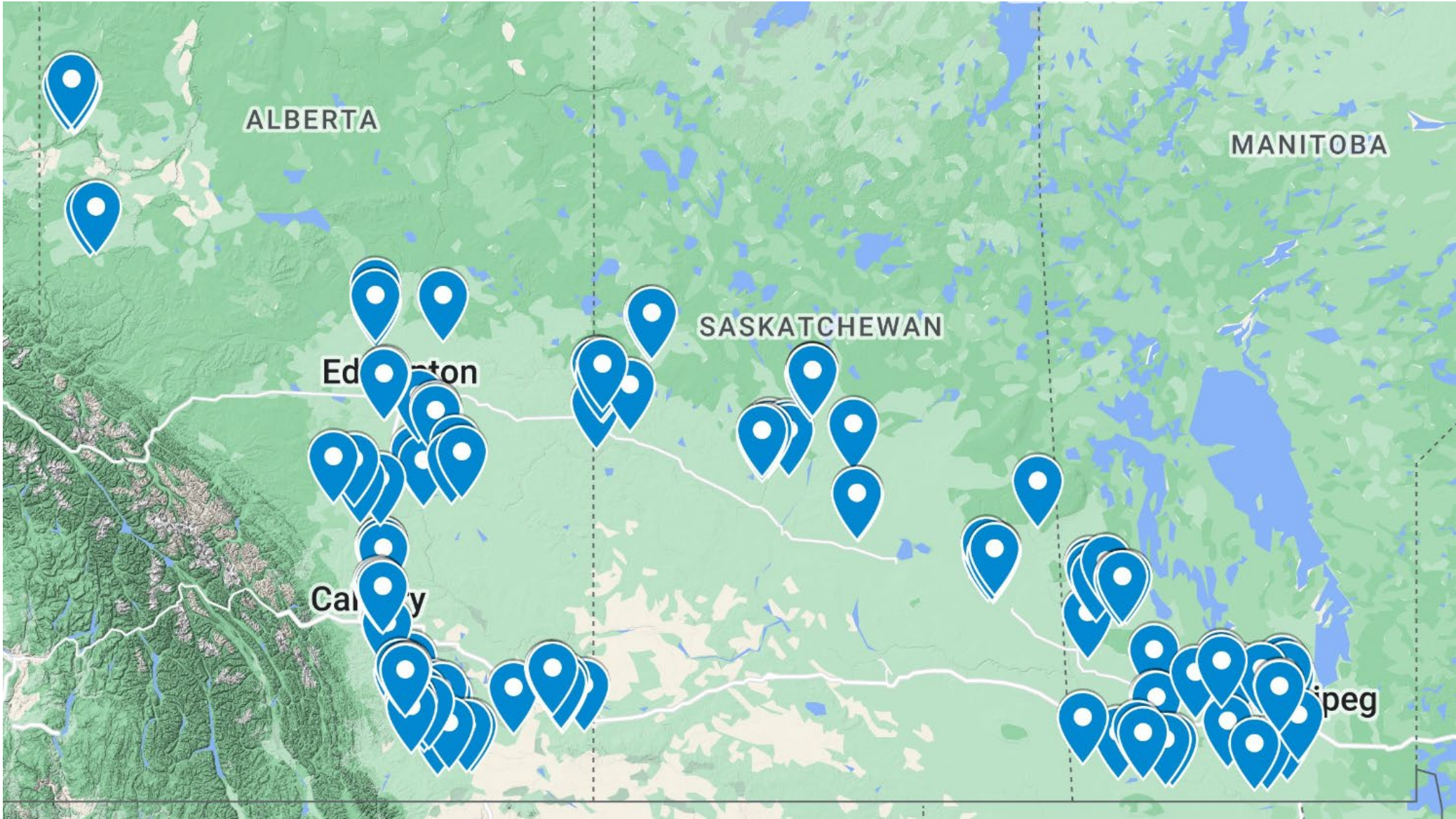
Fungicide not recommended

Fungicide recommended



Risk Points

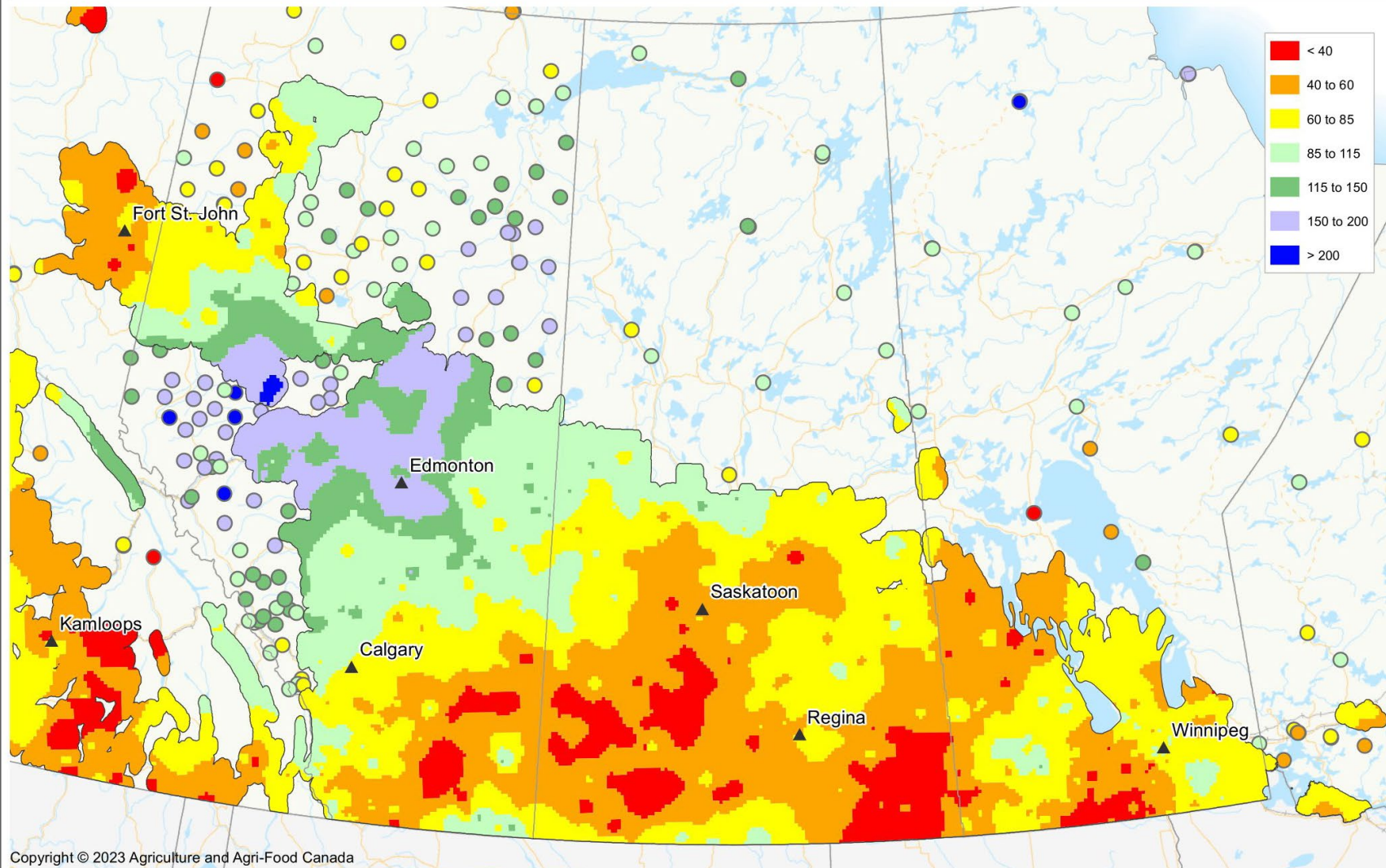






Percent of Average Precipitation

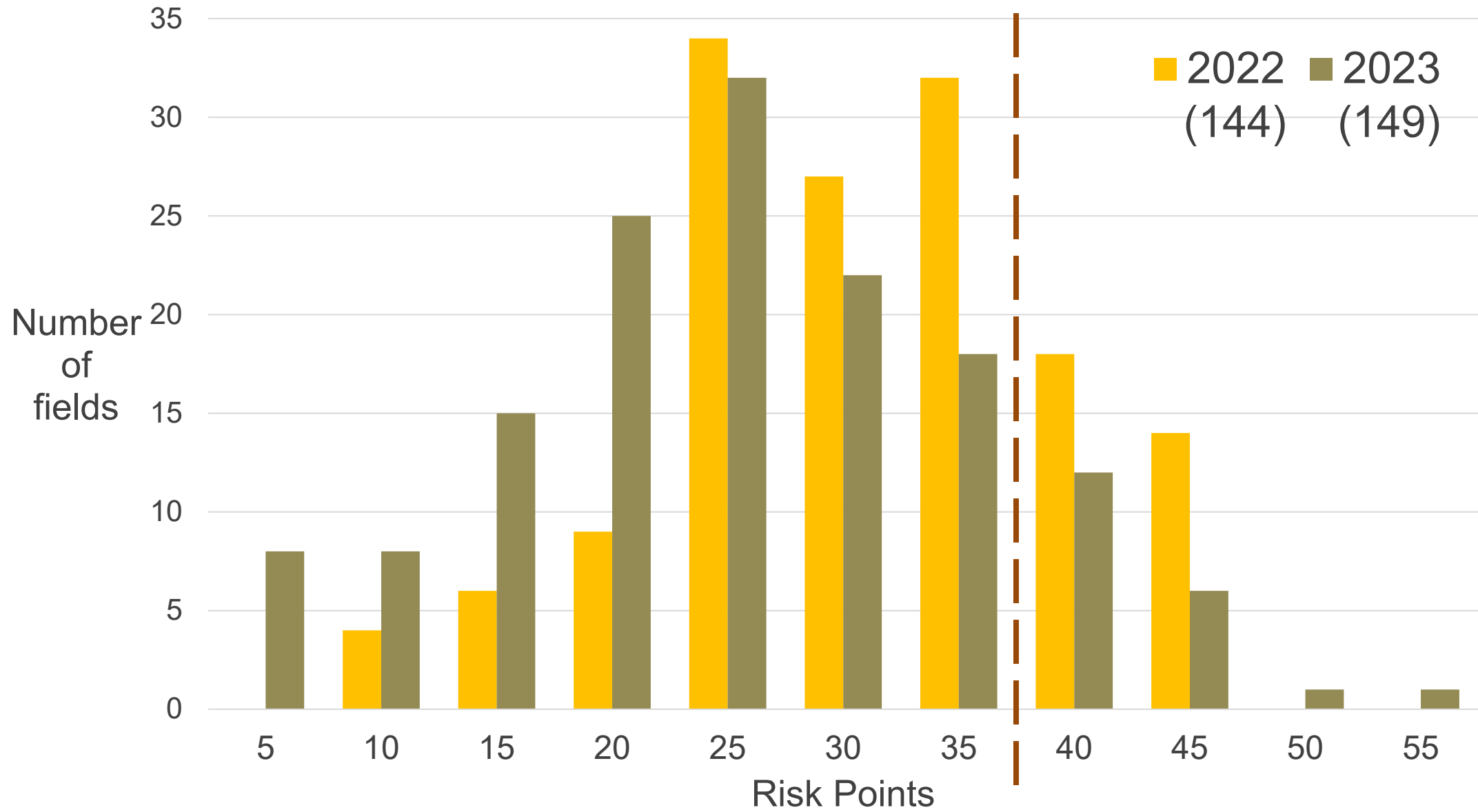
in past 60 days, as of July 31, 2023



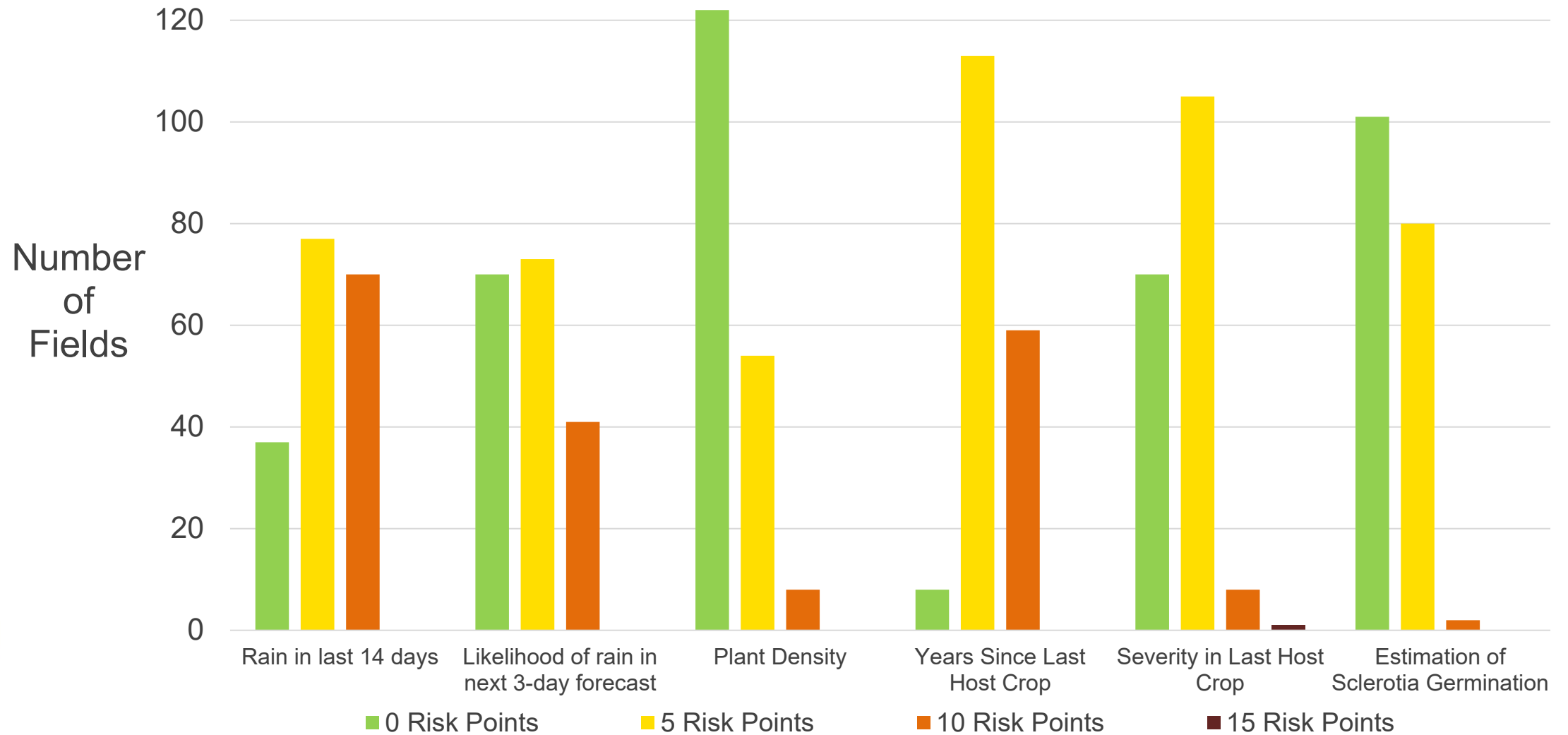
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Prepared by Agriculture and Agri-Food Canada's Science and Technology Branch. Data provided through partnership with Environment Canada, Natural Resources Canada, Provincial and private agencies. Produced using near real-time data that has undergone some quality control. The accuracy of this map varies due to data availability and potential data errors.

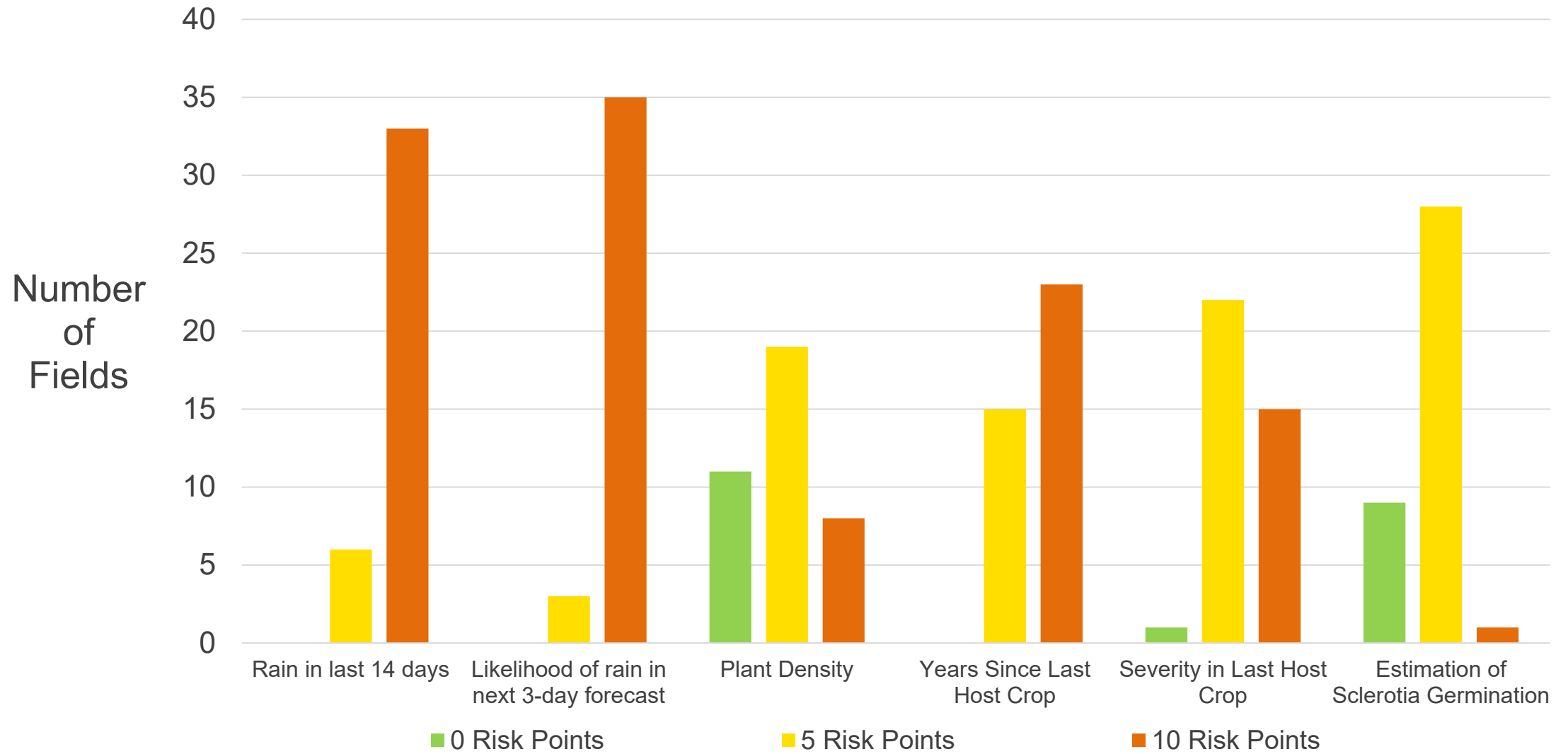
Created: 2023-08-01
www.agr.gc.ca/drought

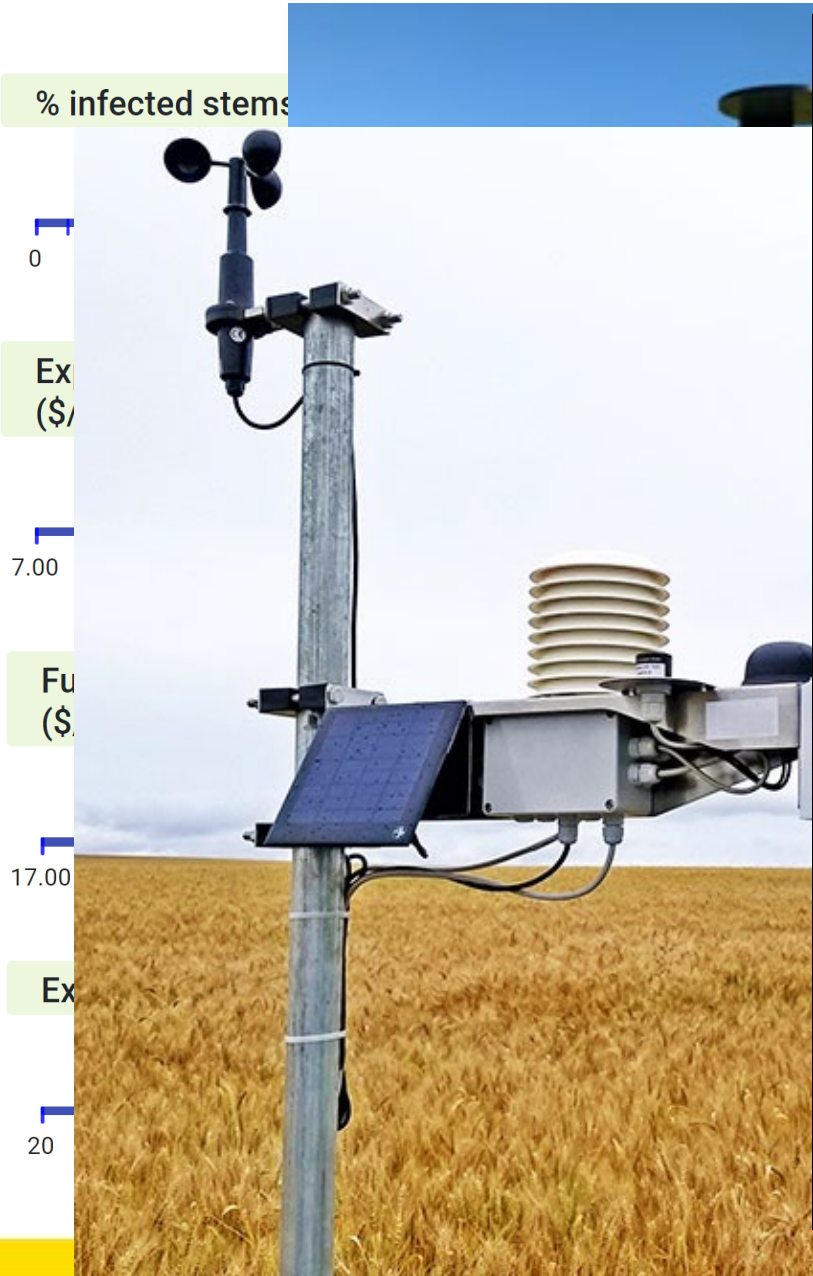


Recommended Not to Spray

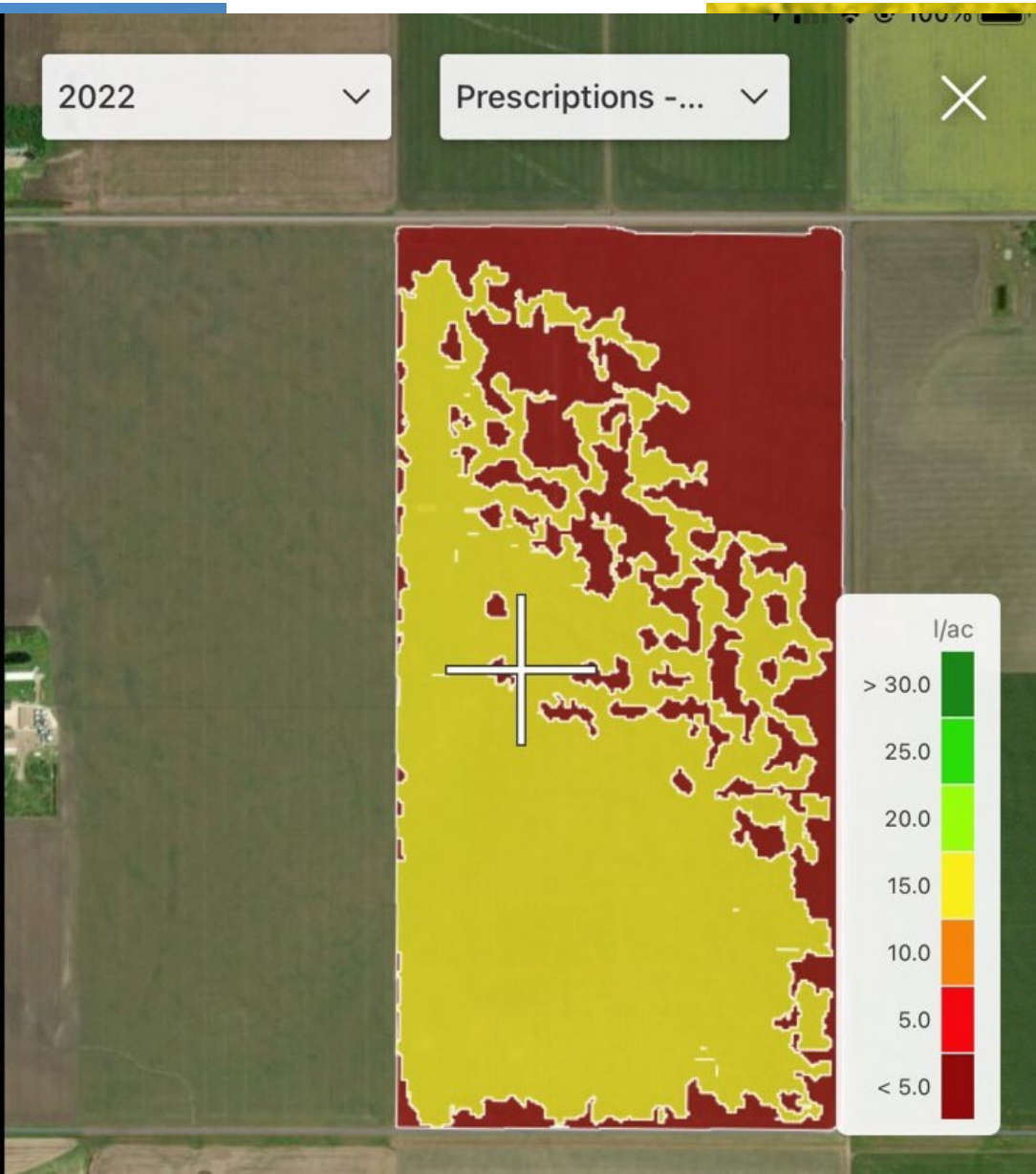


Recommended to Spray





Metos Canada



Climate FieldView



Spornado

