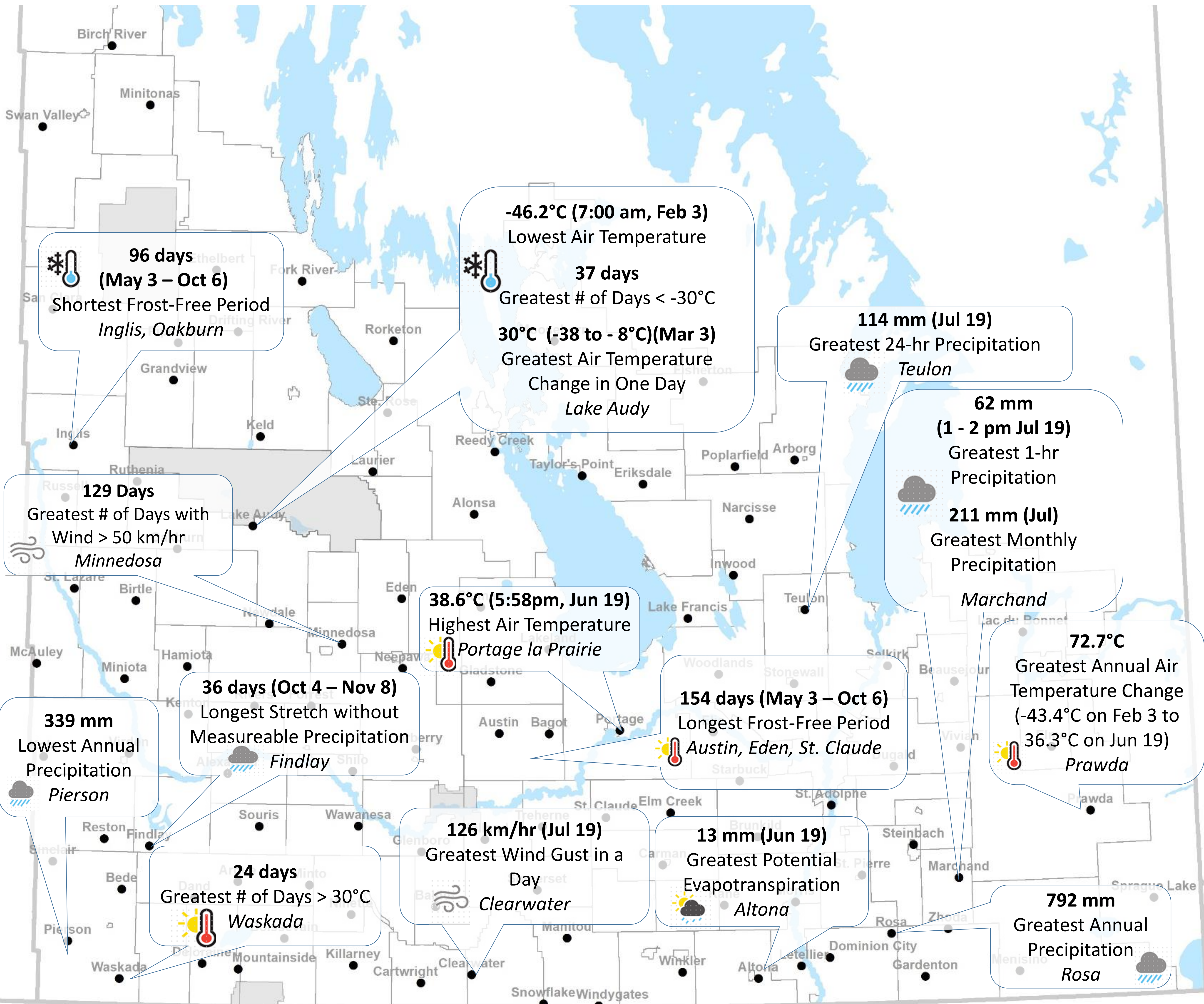


# Agro-Manitoba Weather Extremes of 2022

## Manitoba Agriculture Weather Program



### Manitoba Ag Mesonet

- Manitoba Agriculture Weather Program operates a network of 120 solar powered weather stations using research-grade sensors. Each station is visited at least twice every year for maintenance and sensor calibration.
- Weather data collected at each station includes air temperature and humidity at 2 m above ground; wind speed/direction at 10 m; soil temperature and moisture at 5, 20, 50 and 100 cm depths; solar radiation at 2.5 m; all-weather precipitation gauge at 1.5 m; tipping bucket rain gauge at 1 m and barometric pressure at 1.5 m.
- Each station records data at fifteen minutes, hourly and daily intervals. Data from the sensors are transmitted every 15 minutes from April 1 to October 31 but reduced to hourly from November 1 to March 31 to minimize the load on power supply during cold winter months.

For more information, visit:  
<https://www.gov.mb.ca/agriculture/weather/weather-conditions-and-reports.html>