

Saskatchewan West Nile Virus Weekly Surveillance & Transmission Risk Report

FOR WEEK ENDING SEPTEMBER 10 2022 (FINAL REPORT)

Highlights:



Small numbers of *Culex* spp. mosquitoes continue to be detected in surveyed communities. However, as of September 10, all *Culex* spp. mosquito pools tested negative for WNV.



Two human and an equine (horse) specimen were found positive for West Nile virus this season.

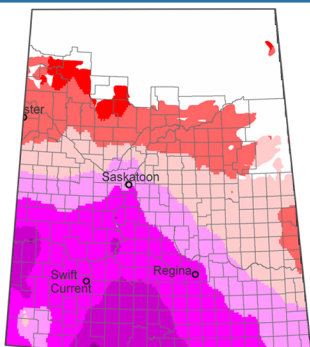


Residents are encouraged to continue to take precautions. Possible transmission of WNV may occur until there is a widespread hard frost (i.e. 2 hours with temperatures below minus 2°C)



Take precautions against mosquito bites. Use mosquito repellents, cover up, and limit time outside during peak times of mosquito activity (between dusk and dawn).

Degree Day Accumulation (Base 14.3 to September 11, 2022):



Map courtesy of Agriculture and Agri-Food Canada

0 - 50	200 - 250	400 - 450	600 - 650
50 - 100	250 - 300	450 - 500	650 - 700
100 - 150	300 - 350	500 - 550	700 - 750
150 - 200	350 - 400	550 - 600	750 - 800

In southern, central, and western regions of Saskatchewan, 600-650 degree days have accumulated. Temperatures are projected to remain above average as September starts. With warmer temperatures, *Culex tarsalis* mosquitoes will remain active and biting longer than usual this year.

Mosquito Surveillance Results

Average number of *Culex* spp. mosquitoes per trap night Positive Pools (%)

Saskatoon	<1	0
Regina	<1	0
Estevan	<1	0

Human Surveillance

THIS WEEK

1

WNV Positive Lab Test



0

Cases of WNV Neuroinvasive Disease



0

Deaths due to WNV



THIS SEASON

2 positive lab tests*

0 Neuroinvasive cases

0 deaths due to WNV

*These include tests done by the Roy Romanow Provincial Laboratory (RRPL) and Canadian Blood Services (CBS). A positive laboratory test does not necessarily indicate a current WNV infection.