

Saskatchewan West Nile Virus Weekly Surveillance & Transmission Risk Report

FOR WEEK ENDING SEPTEMBER 03 2022

Highlights:



Culex spp. mosquitoes are starting to decline in surveyed communities. As of September 3, 2022 all mosquito pools have tested negative for West Nile virus.



A WNV positive human lab test result (reported last week) indicates that transmission has occurred this season.

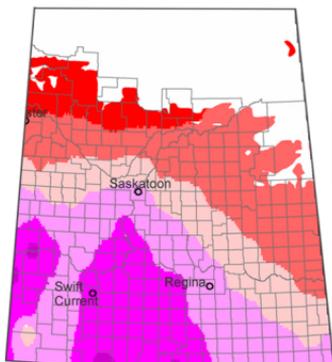


With above normal temperatures forecasted for September, residents are encouraged to continue to take precautions. Possible transmission of WNV may occur until there is a widespread hard frost (i.e. 2 hours with temperatures below minus 2°C)



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

Degree Day Accumulation (Base 14.3 to September 04, 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, 550-600 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.

Mosquito Surveillance Results

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

Location	Average number of <i>Culex</i> spp. mosquitoes per trap night	Positive Pools (%)
Saskatoon	0	0
Regina	<1	0
Estevan	4	0

Human Surveillance

THIS WEEK

0 WNV Positive Lab Test

0 Cases of WNV Neuroinvasive Disease

0 Deaths due to WNV



THIS SEASON

1 positive lab test*

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.