

Saskatchewan West Nile Virus Weekly Surveillance & Transmission Risk Report

FOR WEEK ENDING JULY 23 2022

Highlights:



Culex tarsalis mosquitoes increased in Estevan, Regina, and Saskatoon this week; however, numbers remain low compared to historical averages.



Historically, the last two weeks of July and the first two weeks of August are the highest risk for virus transmission.

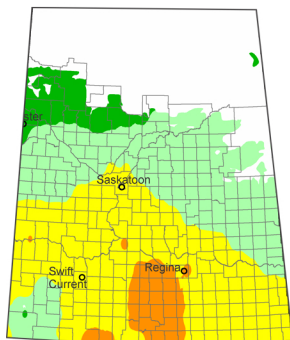


As of July 23, 2022, all *Culex* spp. mosquito pools have tested negative for West Nile virus.



To avoid mosquito bites, use repellents, cover up, and limit time outside during peak times of mosquito activity (between dusk and dawn).

Degree Day Accumulation (Base 14.3 to July 24, 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

Most areas of the province have accumulated 250-300 degree days, which will support emergence of the second generation of *Culex tarsalis* mosquitoes. Areas with 300-350 degree days accumulated can expect increased mosquito activity.

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

0 WNV Positive Lab Tests



0 Cases of WNV Neuroinvasive Disease



0 Deaths due to WNV



THIS SEASON

0 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.