

Mosquito Surveillance Report: Week of August 23rd

Highlights & Average Trap Counts

A total of 45 mosquitoes were caught throughout Western Manitoba during the week of August 16th with an overall average of 3 mosquitoes per trap per night. Trap counts have significantly decreased due to low temperatures. In 2020, an average of 18 mosquitoes were caught per trap per night for the same week (Table 1).

Table 1. The average number of mosquitoes trapped per trap per night in each community for the week of **August 23rd, 2021**. The 2020 average trap counts for the same week have also been included. N.D. = no data.

Community	2021 Average Trap Count	2020 Average Trap Count
Boissevain	7	35
Brandon	5	0
Carberry	1	19
Cypress River	2	N.D.
Killarney	N.D.	24
Shoal Lake	2	33
Souris	2	41
Virden	6	N.D.

Mosquito Species

A total of 37 mosquitoes representing 6 mosquito species that are capable of transmitting pathogens to humans were identified from the mosquitoes collected this week (Table 2).

Aedes vexans was the most numerous mosquito species identified representing 48% of those identified. *Culex tarsalis* followed closely behind, representing 46% of mosquitoes identified.

Table 2. The numbers of 3 mosquito species caught throughout Manitoba during the week of **August 23rd, 2021**.

Species	Boissevain	Brandon	Carberry	Shoal Lake	Souris	Virден	Total
<i>Ae. vexans</i>	1	4	0	0	3	10	18
<i>An. earlei</i>	0	0	1	1	0	0	2
<i>Cx. tarsalis</i>	8	5	3	0	1	0	17
Total	9	9	4	1	4	10	37

Table 3. The average number of *Culex tarsalis* identified per trap for each community during the week of **August 23rd, 2021**. N.D. = no data.

Location	Average Number of <i>Cx. tarsalis</i>
Boissevain	4
Brandon	2.5
Carberry	2
Cypress River	0
Killarney	N.D.
Shoal Lake	0
Souris	1
Virден	0