

Diamondback Moth Monitoring Program in Manitoba - 2024



Diamondback moth does not overwinter well in the Canadian prairie provinces, but large numbers can potentially blow in. If conditions are favorable for their survival and reproduction when they arrive, and if natural enemies do not limit population establishment, populations can increase.

Pheromone-baited traps (Fig. 1), which attract the male moths, are established for a 6-8 week period from early-May until late-June to detect the arrival of populations of diamondback moth early in the season. The cumulative counts from the traps, and how early larger numbers of moths arrive, can not predict what levels of larvae will be, but can be used to determine regions of the province where increased attention for diamondback moth is recommended when scouting fields.



Figure 1. Trap for diamondback moth



Figure 2. Diamondback moth on insert of trap

Summary (as of May 16, 2024)

Pheromone-baited traps for adult moths are currently providing data from 54 locations in Manitoba.

- Trap counts have generally been low so far, however, some moderate counts have occurred in the Eastern and Interlake regions.
- Diamondback moths have been caught in 40 of the 54 traps reporting.
- The highest cumulative trap count is currently 61 from a trap near Riverton in the Interlake region.

Table 1. Highest cumulative trap counts per agricultural region in Manitoba as of May 16, 2024

Lower Risk: 0-25

Elevated Risk: 26-200

Higher level of moth catch: 200+

Location	Count	Location	Count	Location	Count
Northwest					
Shell Valley	4	Dropmore	2	Merriedale	0
Makaroff	3	Bield	1	Russell	0
Roblin	3	Deepdale	0		
Southwest					
Ninga	1	Cypress River	0	Rivers	0
Baldur	0	Glenboro	0		
Belmont	0	Hilton	0		
Central					
Altona	21	Purves	9	Miami	1
Winkler	16	Darlingford	6	St. Joseph	1
Rosenfeld	15	Starbuck	4	Emerson	0
Fannystelle	10	Wingham	4	Haywood	0
Rosetown	10	Haskett	3		
Horndean	9	Arnaud	1		

Eastern					
First week with a weekly trap count greater than 25: May 5 – 11.					
Hadashville	33	Stead	5	Tourond	1
Beausejour	13	Whitemouth	2	Ste. Anne	0
Interlake					
First week with a weekly trap count greater than 25: May 12-18					
Riverton	61	Pleasant Home	7	Vidir	3
Arborg	23	Gimli	6	Fisher Branch	2
Hodgson	16	Teulon	6	Silver Bay	1
Memville	15	Faulkner	4	Teulon	0
Ledwyn	9	Lundar	4		
Morweena	7	Finns	3		

Guidelines for monitoring larvae of diamondback moth can be found at:
<https://www.gov.mb.ca/agriculture/crops/insects/pubs/diamondback-moth-factsheet.pdf>



Figure 3. Diamondback moth pupa (left) and larva (right).