Diamondback Moth Monitoring Program in Manitoba - 2025

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, cannot 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 June 2, 2025)

Pheromone-baited traps for adult moths are currently providing data from 79 locations in Manitoba.

- There have been some moderate counts in traps in the Central and Northwest regions. Otherwise counts have been low.
- Diamondback moths have been caught in 53 of the 79 traps reporting.
- The highest cumulative trap count is currently 81 from a trap near Rosenfeld in the Central region.
- Only trace amounts of larvae have been noticed so far.

Manitoba

Table 1. Highest cumulative trap counts per agricultural region in Manitoba as of June 2, 2025

Lower Risk: 0-25 | Elevated Risk: 26-200 | Higher level of moth catch: 200+

Location	Count	Location	Count	Location	Count
Northwest					
Togo	52	Carrot Valley	7	Petlura	1
Durban	39	Minitonas	3	All other traps	0
Silverwood	37	Swan River	3		
Runnymede, SK	28	The Pas	3		
Dropmore	12	Russell	1		
Southwest					
Roseland	7	Pierson	2	Wawanesa W	1
Melita	3	Lyleton	1	All other traps	0
Ninga	3	Wawanesa E	1		
Central					
Rosenfeld	81	Elm Creek	12	Emerson	2
Brunkild	52	Fannystelle	12	Haywood	2
Horndean	52	Darlingford	8	Altona	1
St. Joseph	35	Kronsgart	8	Arnaud	1
Osterwick	30	Wingham	5	Rosebank	1
St. Claude	20	Carman	4	Purves	0

Eastern					
Ste. Anne	23	Anola	2	All other traps	0

Interlake					
Fisher Branch	16	Moosehorn	4	Lundar	2
Warren	12	Riverton	4	Arborg	1
East Selkirk	10	Washow Bay	4	Gimli	1
Clandeboye	8	Broad Valley	3	Petersfield	1
Meadows	5	Faulkner	3	All other traps	0
Teulon	5	Hodgson	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 4. Diamondback moth pupa (left) and larva (right).