



# Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2025

Forecasting, weather and degree day information as of 23 May 2025

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	261	-

## Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
<b>CARROT RUST FLY</b> (DD base 3)	<b>349</b>	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	Emergence expected
<b>ONION MAGGOT</b> (DD base 4)	<b>304</b>	Emergence at 210 DD (1 <sup>st</sup> gen)	Emergence at 1025 DD (2 <sup>nd</sup> gen)	Activity increasing
<b>CARROT WEEVIL</b> (DD base 7)	<b>181</b>	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Activity
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>116</b>	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Emergence
<b>TARNISHED PLANT BUG</b> (DD base 12)	<b>55</b>	Activity can start at 40 DD		Activity expected
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>219</b>	Emergence at 314 DD (1 <sup>st</sup> gen)	Emergence at 847 DD (2 <sup>nd</sup> gen)	Awaiting emergence
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>304</b>	Emergence at 200 DD (1 <sup>st</sup> gen)	Emergence at 600 DD (2 <sup>nd</sup> gen)	Activity

Disease Forecasting has begun and will be updated as crops start to develop.



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## Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
1	11.3	0.4	16.3
2	17.2	6.3	0.0
3	11.8	4.0	0.2
4	18.3	1.9	0.0
5	18.6	8.2	1.3
6	21.4	12.8	1.4
7	20.9	7.1	0.0
8	13.2	1.5	0.0
9	18.2	-0.6	0.0
10	24.2	-1.2	0.0
11	20.6	2.5	0.0
12	30.0	1.4	0.0
13	25.9	10.8	3.4
14	21.6	15.8	0.7
15	26.6	12.2	0.0
16	28.6	12.9	3.6
17	21.8	12.3	39.4
18	12.6	8.5	0.0
19	12.3	3.9	0.0
20	17.6	-0.1	0.0
21	13.2	6.4	13.0
22	10.6	7.9	11.6

Soil Temperature (°C): 5cm: 10.9



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