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# Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2024

Forecasting, weather and degree day information as of 23 May 2024

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
<b>Growing degree days (DD base 5)</b>	<b>334</b>	120

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
<b>CARROT RUST FLY</b> (DD base 3)	<b>431</b>	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	Emergence
<b>ONION MAGGOT</b> (DD base 4)	<b>381</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>249</b>	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Activity increasing
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>175</b>	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Emergence
<b>TARNISHED PLANT BUG</b> (DD base 12)	<b>85</b>	Activity can start at 40 DD		Activity expected
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>290</b>	Emergence at 314 DD (1 <sup>st</sup> gen)	Emergence at 847 DD (2 <sup>nd</sup> gen)	Emergence expected soon
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>381</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)
14	15.8	11.0	7.6
15	21.2	9.2	0.0
16	23.6	7.4	0.0
17	20.2	11.4	1.6
18	23.7	12.5	0.0
19	27.3	9.0	0.0
20	29.3	9.8	0.2
21	27.9	15.4	2.0
22	31.0	14.0	7.2

Soil Temperature (°C): 5cm: 18.0

