











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

syngenta

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

Standard Growing Degree Day Model (starting 1 April):

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

## **Insect Degree Day Models:**

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

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





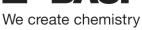


















## **Daily Weather**

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











