



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

Forecasting, weather and degree day information for 1 October 2025

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	2096	76

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	2445	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	Minimal activity
CARROT WEEVIL (DD base 7)	1755	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Egg laying period complete
ASTER LEAFHOPPER (DD base 9)	1430	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Minimal activity
TARNISHED PLANT BUG (DD base 12)	984	Activity can start at 40 DD		Minimal activity



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## Disease Forecasting

Disease model	Cumulative DSI	Change since last report	Comments
Sclerotinia (White Mold) on Carrot	7	+5	Moderate-high risk. Canopies closed, some mold has been found and conditions are more suitable for the disease
TOMCAST (General conditions for disease)	172	+8	Moderate-high risk
BREMCAT (Lettuce downy mildew)	Sporulation-infection periods on 7/7 days	Same	High risk

## Daily Weather

Date (September)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
24	22.0	15.4	0.2
25	20.8	15.8	8.6
26	25.4	12.7	0.0
27	26.6	13.2	0.0
28	23.4	9.0	0.0
29	26.8	6.2	0.0
30	23.2	6.3	0.0

Soil Temperature (°C): 5cm: 15.5



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