



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

Forecasting, weather and degree day information for 17 September 2025

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	1927	81

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	2248	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	Activity minimal
CARROT WEEVIL (DD base 7)	1613	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Egg laying period complete
ASTER LEAFHOPPER (DD base 9)	1314	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Activity
TARNISHED PLANT BUG (DD base 12)	909	Activity can start at 40 DD		Activity



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Disease Forecasting

Disease model	Cumulative DSI	Change since last report	Comments
Sclerotinia (White Mold) on Carrot	0	Same	Moderate risk. Canopies closed and some mold has been found, but has been dry
TOMCAST (General conditions for disease)	150	+7	Moderate risk
BREMCAST (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)
9	23.5	3.4	0.0
10	25.8	8.8	0.0
11	24.2	9.1	0.0
12	25.1	9.6	0.0
13	23.7	12.4	0.0
14	25.6	10.2	0.0
15	25.7	9.7	0.0
16	26.8	5.6	0.0

Soil Temperature (°C): 5cm: 17.0



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