



Ontario Crops Research Centre – Bradford (Muck Station) IPM Forecasting 2026

Forecasting, weather and degree day information as of June 1

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	324	39

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	422	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	1 st gen activity
ONION MAGGOT (DD base 4)	371	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	1 st gen activity
CARROT WEEVIL (DD base 7)	237	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Activity
ASTER LEAFHOPPER (DD base 9)	165	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Emergence
TARNISHED PLANT BUG (DD base 12)	83	Activity can start at 40 DD		Activity expected
CABBAGE MAGGOT (DD base 6)	279	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	Awaiting emergence
SEEDCORN MAGGOT (DD base 4)	371	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	Activity



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Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	20	-	Low risk
DOWNCAST (Onion downy mildew)	No sporulation-infection periods	-	Low risk
BSPCAST (Stemphylium leaf blight)	Conditions have not been favourable	-	Low risk
White Rot on Onions	17	-	Low risk
Sclerotinia (White Mold) on Carrot	0	-	Low risk
TOMCAST (General conditions for disease)	15	-	Low risk
BREMCAST (Lettuce downy mildew)	Sporulation-infection periods on 2/4 days	-	Moderate risk

Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
28	19.1	11.5	0.0
29	25.6	6.5	0.0
30	21.1	6.9	0.0
31	24.1	4.7	0.0

Soil Temperature over the last 24 hours (°C): 5cm: 15.3



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