



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

Forecasting, weather and degree day information as of June 11

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	476	53

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
<b>CARROT RUST FLY</b> (DD base 3)	594	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	1 <sup>st</sup> gen activity
<b>ONION MAGGOT</b> (DD base 4)	533	Emergence at 210 DD (1 <sup>st</sup> gen)	Emergence at 1025 DD (2 <sup>nd</sup> gen)	1 <sup>st</sup> gen activity. Damage observed
<b>CARROT WEEVIL</b> (DD base 7)	369	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Activity
<b>ASTER LEAFHOPPER</b> (DD base 9)	277	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Activity
<b>TARNISHED PLANT BUG</b> (DD base 12)	165	Activity can start at 40 DD		Activity expected
<b>CABBAGE MAGGOT</b> (DD base 6)	421	Emergence at 314 DD (1 <sup>st</sup> gen)	Emergence at 847 DD (2 <sup>nd</sup> gen)	Activity
<b>SEEDCORN MAGGOT</b> (DD base 4)	533	Emergence at 200 DD (1 <sup>st</sup> gen)	Emergence at 600 DD (2 <sup>nd</sup> gen)	Activity



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### Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	29	+6	Low risk
DOWNCAST (Onion downy mildew)	No sporulation-infection periods	-	Low risk
BSPCAST (Stemphylium leaf blight)	Conditions have been favourable on 1/3 days	Increase	Low to moderate risk
White Rot on Onions	27	+3	Moderate risk
Sclerotinia (White Mold) on Carrot	0	-	Low risk
TOMCAST (General conditions for disease)	31	+8	Moderate risk
BREMCAST (Lettuce downy mildew)	Sporulation-infection periods on 1/3 days	-	Moderate risk

### Daily Weather

Date (June)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
8	26.1	11.7	0.0
9	28.8	12.1	0.0
10	27.1	19.9	8.0

Soil Temperature over the last 24 hours (°C): 5cm: 20.7



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