



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

Forecasting, weather and degree day information as of September 9

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	1873	138

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	2171	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	2 nd gen activity
ASTER LEAFHOPPER (DD base 9)	1314	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Activity
TARNISHED PLANT BUG (DD base 12)	932	Activity can start at 40 DD		Activity

Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
Sclerotinia (White Mold) on Carrot	39	+17	Moderate-high risk. White mold has been found in several fields and conditions are more suitable for the disease
TOMCAST (General conditions for disease)	210	+22	High risk
BREMCAST (Lettuce downy mildew)	Sporulation-infection periods on 9/9 days	Same	High risk



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Daily Weather

Date (August/September)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
31	22.2	18.3	38.8
1	29.8	18.8	0.2
2	24.7	19.6	23.8
3	28.1	17.5	0.0
4	25.2	12.3	0.0
5	24.6	12.2	0.0
6	24.0	12.3	0.0
7	26.0	10.9	0.0
8	27.0	11.6	0.0

Soil Temperature (°C): 5cm: 20.5



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