



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

Forecasting, weather and degree day information as of September 23

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	2011	52

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	2337	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	Activity
ASTER LEAFHOPPER (DD base 9)	1396	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Activity
TARNISHED PLANT BUG (DD base 12)	978	Activity can start at 40 DD		Activity

Disease Forecasting:

Disease model	Cumulative DSI	Change since last report	Comments
Sclerotinia (White Mold) on Carrot	30	-12	Moderate risk. White mold has been found but it has been dry
TOMCAST (General conditions for disease)	226	+4	Moderate risk
BREMCAST (Lettuce downy mildew)	Sporulation-infection periods on 7/7 days	Same	High risk



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Daily Weather

Date (September)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
15	20.3	6.6	0.0
16	22.8	13.8	0.0
17	23.9	11.6	0.0
18	20.8	10.0	0.0
19	17.2	4.4	0.0
20	19.7	6.6	0.0
21	15.4	8.1	0.0
22	17.7	1.0	0.0

Soil Temperature (°C): 5cm: 13.1



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