



IMPROVE LIFE.



Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2024

Forecasting, weather and degree day information as of 25 September 2024

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	2112	100

Insect Degree Day Models:

MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	2460	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	Activity
CARROT WEEVIL (DD base 7)	1778	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Egg laying period has ended
ASTER LEAFHOPPER (DD base 9)	1454	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Activity
TARNISHED PLANT BUG (DD base 12)	991	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	10	+10	Moderate risk. Canopies have closed.
TOMCAST (General conditions for disease)	292	+14	Moderate risk
BREMCAST (Lettuce downy mildew)	Sporulation-infection periods on 7/7 days	Risk maintained	High risk

Daily Weather

Date (Sept)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
18	27.3	9.6	0.6
19	28.3	8.3	0.0
20	27.0	8.6	0.0
21	27.3	14.6	0.0
22	26.2	12.2	0.8
23	20.2	16.8	10.2
24	18.1	16.1	0.4

Soil Temperature (°C): 5cm: 18.4

