









syngenta

Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2025

Forecasting, weather and degree day information as of 27 May 2025

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE	DEGREE DAYS SINCE	
	DEGREE DAYS	LAST REPORT	
Growing degree	290	29	
days (DD base 5)			

Insect Degree Day Models:

modet beginde	mocet begree buy woders.							
MODELS	CUMULATIVE	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:				
	DEGREE DAYS							
CARROT RUST FLY	386	Emergence at 329-	Emergence at 1399-	ce at 1399- Emergence				
(DD base 3)		395 DD (1 st gen)	1711 DD (2 nd gen)					
ONION MAGGOT	338	Emergence at 210	Emergence at 1025	Activity increasing				
(DD base 4)		DD (1 st gen)	DD (2 nd gen)					
CARROT WEEVIL	202	Egg laying starts at	Egg laying 90%	Activity and egg				
(DD base 7)		138-156 DD	complete at 455 DD	laying				
ASTER	129	Nymphs emerge at	Adults emerge at	Activity				
LEAFHOPPER		128 DD	390 DD					
(DD base 9)								
TARNISHED	58	Activity can start at		Activity expected				
PLANT BUG		40 DD						
(DD base 12)								
CABBAGE	244	Emergence at 314	Emergence at 847	Awaiting				
MAGGOT		DD (1 st gen)	DD (2 nd gen)	emergence				
(DD base 6)								
SEEDCORN	338	Emergence at 200	Emergence at 600	Activity				
MAGGOT		DD (1 st gen)	DD (2 nd gen)					
(DD base 4)								





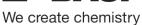


















Disease Forecasting

Disease model	Cumulative DSI	Change since	Comments
		last report	
BOTCAST (Botrytis leaf blight)	42	-	Low risk
DOWNCAST (Onion downy	Sporulation-	-	Low risk, no sporangia
mildew)	infection period on		
	1/4 days		
BSPCAST	Conditions have not	-	Low risk
(Stemphylium leaf blight)	been favourable		
White Rot on Onions	34	-	Moderate risk
Sclerotinia (White Mold) on	0	-	Low risk
Carrot			
TOMCAST	8	-	Low risk
(General conditions for			
disease)			
BREMCAST	Sporulation-	-	High risk
(Lettuce downy mildew)	infection periods on		
	4/4 days		

Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
23	10.9	7.5	6.1
24	14.5	6.8	0.6
25	16.1	5.4	3.7
26	22.3	2.8	0

Soil Temperature (°C): 5cm: 13.2









