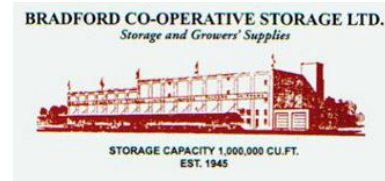




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Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2023

Forecasting, weather and degree day information as of 15 May 2023

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	226	49

Insect Degree Day Models:

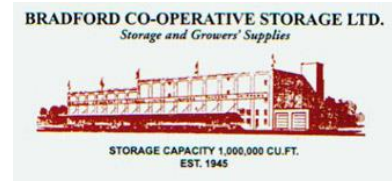
MODELS	CUMULATIVE DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	308	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	Emergence expected soon
ONION MAGGOT (DD base 4)	266	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	Activity
CARROT WEEVIL (DD base 7)	159	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Egg laying period has started
ASTER LEAFHOPPER (DD base 9)	110	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Emergence expected
TARNISHED PLANT BUG (DD base 12)	60	Activity can start at 40 DD		Activity expected
CABBAGE MAGGOT (DD base 6)	189	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	Emergence not expected yet
SEEDCORN MAGGOT (DD base 4)	266	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	Activity

Disease Forecasting has begun and will be updated as crops start to develop.





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Daily Weather

Date (May)	Max temperature (°C)	Min temperature (°C)	Rain (mm)
10	22.8	0.5	0.0
11	27.7	5.9	0.0
12	28.7	8.6	0.0
13	23.9	7.7	0.0
14	18.0	4.1	0.0

Soil Temperature (°C): 5cm: 12.6

