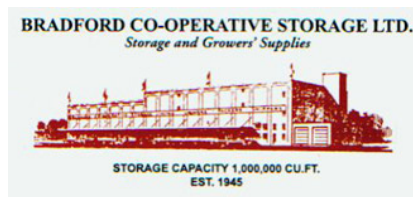




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Muck Crops Research Station IPM 2019

Forecasting/weather information as of 16 May

Standard Growing Degree Day (DD) Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	126	38

Insect Degree Day (DD) Models:

MODELS	CUM DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	196	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	
ONION MAGGOT (DD base 4)	159	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	
CARROT WEEVIL (DD base 7)	67	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	
ASTER LEAFHOPPER (DD base 9)	29	Nymphs emerge at 128 DD	Adults emerge at 390 DD	
TARNISHED PLANT BUG (DD base 12)	4	Activity can start at 40 DD		
CABBAGE MAGGOT (DD base 6)	95	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	
SEEDCORN MAGGOT (DD base 4)	159	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	

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

Current Soil Temperatures:

5cm: 10.5 C 10cm: 13.2 C 20cm: 13.2 C





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Date (May, 2019)	Max temperature	Min temperature	Rain (mm)
1	10.4	5.3	9.8
2	11.5	4.5	0.0
3	10.7	5.8	14.6
4	13.3	5.2	0.2
5	20.2	3.8	0.0
6	23.1	4.1	0.0
7	13.1	3.5	0.2
8	13.8	0.0	0.0
9	17.4	8.2	8.0
10	17.1	4.3	6.2
11	12.3	0.8	0.0
12	10.9	5.8	0.6
13	8.9	4.9	12.2
14	15.9	6.3	0.6
15	19.4	4.3	0.0