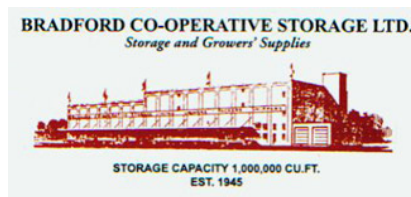




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# Muck Crops Research Station IPM 2019

Forecasting/weather information as of 26 September

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
<b>Growing degree days</b> (DD base 5)	1913	98

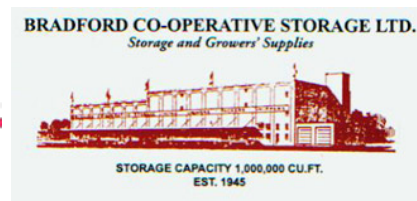
Insect Degree Day Models:

MODELS	CUM DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
<b>CARROT RUST FLY</b> (DD base 3)	2249	Emergence at 329-395 DD (1 <sup>st</sup> gen)	Emergence at 1399-1711 DD (2 <sup>nd</sup> gen)	2 <sup>nd</sup> generation complete
<b>ONION MAGGOT</b> (DD base 4)	2079	Emergence at 210 DD (1 <sup>st</sup> gen)	Emergence at 1025 DD (2 <sup>nd</sup> gen)	2 <sup>nd</sup> generation complete
<b>CARROT WEEVIL</b> (DD base 7)	1588	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	2 <sup>nd</sup> generation activity possible
<b>ASTER LEAFHOPPER</b> (DD base 9)	1284	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Active
<b>TARNISHED PLANT BUG</b> (DD base 12)	873	Activity can start at 40 DD		Active
<b>CABBAGE MAGGOT</b> (DD base 6)	1749	Emergence at 314 DD (1 <sup>st</sup> gen)	Emergence at 847 DD (2 <sup>nd</sup> gen)	Well past 2 <sup>nd</sup> generation
<b>SEEDCORN MAGGOT</b> (DD base 4)	2079	Emergence at 200 DD (1 <sup>st</sup> gen)	Emergence at 600 DD (2 <sup>nd</sup> gen)	Well past 2 <sup>nd</sup> generation





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### Daily Temperature and Rain

Date (September, 2019)	Max temperature	Min temperature	Rain (mm)
19	24.3	11.7	0.0
20	26.4	8.3	0.0
21	28.9	12.5	0.0
22	30.6	19.5	0.2
23	25.2	14.5	0.8
24	20.9	8.9	0.0
25	27.4	7.7	0.0

Soil Temperature (°C): 5cm: 19.7

10cm: 20.6

20 cm: 19.6

