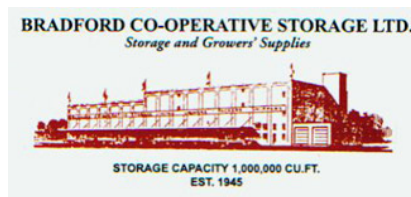




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Muck Crops Research Station IPM 2019

Forecasting/weather information as of 11 June 2019

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	367	49

Insect Degree Day Models:

MODELS	CUM DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	489	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	Adults active
ONION MAGGOT (DD base 4)	426	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	Adults active
CARROT WEEVIL (DD base 7)	256	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Egg laying beginning
ASTER LEAFHOPPER (DD base 9)	166	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Nymphs emerging
TARNISHED PLANT BUG (DD base 12)	75	Activity can start at 40 DD		Activity possible
CABBAGE MAGGOT (DD base 6)	310	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	First gen imminent
SEEDCORN MAGGOT (DD base 4)	426	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	In between first and second generation emergence

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	0	0	
DOWNCAST (Onion downy mildew)	No sporulation infection periods		





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Disease model	Cumulative DSI	Change since last report	Comments
BSPCast (Stemphylium leaf blight)	0		
White Rot on Onions	26	+4	Soil temperatures still low enough to allow for white rot to develop, nearing the point where it can show up on onions
Sclerotinia (White Mold) on Carrot	0		
TOMCAST (General conditions for disease)	11	+1	
BREMCAST (Lettuce downy mildew)	No sporulation infection periods		

Date (June 2019)	Max temperature	Min temperature	Rain (mm)
7	26.3	7.7	0.0
8	25.0	8.4	0.0
9	27.0	10.7	0.0
10	21.0	12.7	9.6

Soil Temperature (°C): 5cm: 18.1

10cm: 17.7

20 cm: 18.8

