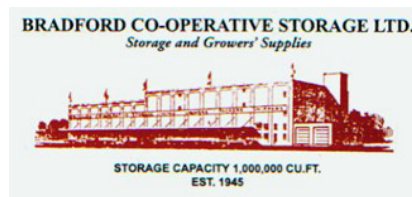




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Muck Crops Research Station IPM 2019

Forecasting/weather information as of 4 June

Standard Growing Degree Day Model (starting 1 April):

MODELS	CUMULATIVE DEGREE DAYS	DEGREE DAYS SINCE LAST REPORT
Growing degree days (DD base 5)	289	35

Insect Degree Day Models:

MODELS	CUM DEGREE DAYS	THRESHOLD ONE	THRESHOLD TWO	COMMENTS:
CARROT RUST FLY (DD base 3)	398	Emergence at 329-395 DD (1 st gen)	Emergence at 1399-1711 DD (2 nd gen)	First generation adults active
ONION MAGGOT (DD base 4)	341	Emergence at 210 DD (1 st gen)	Emergence at 1025 DD (2 nd gen)	First generation adults active
CARROT WEEVIL (DD base 7)	192	Egg laying starts at 138-156 DD	Egg laying 90% complete at 455 DD	Currently in egg laying period
ASTER LEAFHOPPER (DD base 9)	116	Nymphs emerge at 128 DD	Adults emerge at 390 DD	Emergence nearing
TARNISHED PLANT BUG (DD base 12)	44	Activity can start at 40 DD		Activity possible
CABBAGE MAGGOT (DD base 6)	239	Emergence at 314 DD (1 st gen)	Emergence at 847 DD (2 nd gen)	Nearing first generation emergence
SEEDCORN MAGGOT (DD base 4)	341	Emergence at 200 DD (1 st gen)	Emergence at 600 DD (2 nd gen)	First generation adults active

Disease model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	0	0	Low risk
DOWNCAST (Onion downy mildew)	No sporulation-infection periods	Decreased risk	Risk is once again low





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Disease model	Cumulative DSI	Change since last report	Comments
BSPCast (Stemphylium leaf blight)	0	0	Low risk
White Rot on Onions	18	+4	White rot continues to develop, slowly nearing the stage at which it may attack the crop
Sclerotinia (White Mold) on Carrot	0	0	Low risk
TOMCAST (General conditions for disease)	7	+3	
BREMCAST (Lettuce downy mildew)	No sporulation infection periods	Risk greatly reduced	Low risk

Date (May/June 2019)	Max temperature	Min temperature	Rain (mm)
31	21.8	8.1	0.6
1	23.9	10.5	15.4
2	18.9	7.4	2.6
3	15.7	6.0	0.0

Soil Temperature (°C): 5cm: 14.4 10cm: 14.1 20 cm: 15.8

