

MUCK CROPS RESEARCH STATION IPM 2018

Forecasting / weather information as of July 3, 2018

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model (Start April 1, 2017):				
GROWING DEGREE DAYS (DD base 5)	833	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	979	329-395 DD	1399-1711 DD	Approaching 2nd generation
ONION MAGGOT (DD base 4)	905	210 DD 1 st Gen	1025 DD 2 nd Gen	Nearing 2nd generation
CARROT WEEVIL (DD base 7)	693	138-156 DD Oviposition	455 DD 90% oviposition	90% oviposition threshold reached, oviposition significantly declining in marsh
ASTER LEAFHOPPER (DD base 9)	558	128 DD	390 DD adult emerge	Adults detected
TARNISHED PLANT BUG (DD base 12)	372	40 DD		Active, adults detected
CABBAGE MAGGOT (DD base 6)	763	314 DD 1 st Gen	847 DD 2 nd Gen	Nearing 2nd generation
SEEDCORN MAGGOT (DD base 4)	905	200 DD 1 st Gen	600 DD 2 nd Gen	2nd Generation

DATE (June/July, 2018)	TEMPERATURE		RAIN (mm)
	MAX	MIN	
29	32.9	14.7	0
30	36.4	20.9	0
1	35.3	23.2	0
2	33.4	18.6	0

Disease Model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	26	+1	Risk is moderate, particularly if rainfall is forecasted or irrigation is planned
TOMCAST (Used here for generally favourable disease conditions)	38	+9	Conditions were generally favourable for disease development
DOWNCAST (Onion downy mildew)	No sporulation/infection periods	No activity	Dry, hot weather reduced risk completely, risk is low/negligible
BREMCAST (Lettuce downy mildew)	No sporulation/infection periods	No activity	Dry, hot weather reduced risk completely, risk is low/negligible