MUCK CROPS RESEARCH STATION IPM 2018

Forecasting / weather information as of August 7, 2018

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model (Start April 1, 2017):				
GROWING DEGREE DAYS (DD base 5)	**1413**	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	**1629**	329-395 DD	1399-1711 DD	**Approaching 2nd generation**
ONION MAGGOT (DD base 4)	**1520**	210 DD 1st Gen	1025 DD 2nd Gen	**2nd generation, captures minimal**
CARROT WEEVIL (DD base 7)	**1203**	138-156 DD Oviposition	455 DD 90% oviposition	**2nd generation is possible, but exact determination is not available**
ASTER LEAFHOPPER (DD base 9)	**997**	128 DD	390 DD adult emerge	**Adults detected**
TARNISHED PLANT BUG (DD base 12)	**706**	40 DD		**Active, adults detected**
CABBAGE MAGGOT (DD base 6)	**1308**	314 DD 1st Gen	847 DD 2nd Gen	**2nd generation**
SEEDCORN MAGGOT (DD base 4)	**1520**	200 DD 1st Gen	600 DD 2nd Gen	**2nd Generation**

DATE (August, 2018)	TEMPERATURE		RAIN (mm)
	MAX	MIN	
3	29.4	14.9	16.8
4	30.4	15.6	0
5	33.2	16.4	0
6	32.5	22.4	0

Disease Model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	52	+4	Conditions are appropriate for Botyrtis, none seen in the marsh so far
TOMCAST (Used here for generally favourable disease conditions)	107	+10	Ideal conditions for fungal growth
DOWNCAST (Onion downy mildew)	3 sporulation/infection periods in the past seven days, infection is often limited by insufficient leaf wetness by 10 a.m. Downy mildew could sporulate each day in this past week.	Downy mildew is active	Risk is high, ensure crops are protected
BREMCAST (Lettuce downy mildew)	No sporulation/infection periods over the past four days.	No activity	Risk is low, disease limited by leaf wetness, irrigation in the morning could change this