

MUCK CROPS RESEARCH STATION IPM 2018
Forecasting / weather information as of June 19, 2018

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model (Start April 1, 2017):				
GROWING DEGREE DAYS (DD base 5)	625	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	745	329-395 DD	1399-1711 DD	First generation emergence, detected in Holland Marsh
ONION MAGGOT (DD base 4)	683	210 DD 1 st Gen	1025 DD 2 nd Gen	First generation, damage detected in Holland Marsh
CARROT WEEVIL (DD base 7)	510	138-156 DD Oviposition	455 DD 90% oviposition	Oviposition has begun, confirmed in field, nearing 90% completion
ASTER LEAFHOPPER (DD base 9)	401	128 DD	390 DD adult emerge	Nearing adults
TARNISHED PLANT BUG (DD base 12)	254	40 DD		Active, adults detected
CABBAGE MAGGOT (DD base 6)	567	314 DD 1 st Gen	847 DD 2 nd Gen	First generation emergence, detected in Holland Marsh
SEEDCORN MAGGOT (DD base 4)	683	200 DD 1 st Gen	600 DD 2 nd Gen	First generation emergence, detected in Holland Marsh

Disease Model	Cumulative DSI	Change since last report	Comments
BOTCAST (Botrytis leaf blight)	14	+1	Threshold not reached
TOMCAST (Used here for generally favourable disease conditions)	18	+5	Accumulation fairly slow still
BREMCAS (Lettuce downy mildew)	No sporulation/infection periods	N/A	Weather not conducive to disease development
DOWNCAST (Onion downy mildew)	No sporulation/infection periods	N/A	Weather not conducive to disease development

DATE (MONTH, 2018)	TEMPERATURE		RAIN (mm)
	MAX	MIN	
15	27.1	8.6	0
16	30.4	9.9	0
17	34.2	13.7	0
18	30.9	20.2	14
19	18.2	15.1	0