



## MUCK CROPS RESEARCH STATION IPM 2016

### Forecasting / weather information as of July 11, 2016

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	<b>897</b>	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	<b>1074</b>	329-395 DD	1399-1711 DD	<b>Past 1<sup>st</sup> generation</b>
<b>ONION MAGGOT</b> (DD base 4)	<b>985</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Near 2<sup>nd</sup> generation emergence</b>
<b>CARROT WEEVIL</b> (DD base 7)	<b>730</b>	138-156 DD Oviposition	455 DD 90% oviposition	<b>Past 90% oviposition</b>
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>580</b>	128 DD	390 DD adult emerge	<b>Adult emergence of local population</b>
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>812</b>	314 DD 1 <sup>st</sup> Gen	847 DD 2 <sup>nd</sup> Gen	<b>Close to 2<sup>nd</sup> generation emergence</b>
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>985</b>	200 DD 1 <sup>st</sup> Gen	600 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> generation emerged</b>

### Disease Forecasting

BOTCAST = 18 CDSI

DOWNCAST = no SIP in the last 7 days

BREMCASST = 4 SIP in the last 4 days

### Soil Temperatures

July 11: 5 cm = 22.0 °C

10 cm = 22.1 °C

20 cm = 21.6 °C

DATE (July, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
7	31.3	20.4	0
8	29.7	18.6	6.4
9	25.3	18.7	15.3
10	26.7	15.3	0

