



## MUCK CROPS RESEARCH STATION IPM 2016

### Forecasting / weather information as of July 7, 2016

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	<b>824</b>	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	<b>994</b>	329-395 DD	1399-1711 DD	<b>Past 1<sup>st</sup> generation</b>
<b>ONION MAGGOT</b> (DD base 4)	<b>908</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Close to 2<sup>nd</sup> generation emergence</b>
<b>CARROT WEEVIL</b> (DD base 7)	<b>665</b>	138-156 DD Oviposition	455 DD 90% oviposition	<b>Past 90% oviposition</b>
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>523</b>	128 DD	390 DD adult emerge	<b>Adult emergence of local population</b>
<b>TARNISHED PLANT BUG</b> (DD base 12)	<b>348</b>	40 DD		<b>Emerged</b>
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>743</b>	314 DD 1 <sup>st</sup> Gen	847 DD 2 <sup>nd</sup> Gen	<b>Nearing 2<sup>nd</sup> generation emergence</b>
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>908</b>	200 DD 1 <sup>st</sup> Gen	600 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> generation emergence</b>

### Disease Forecasting

BOTCAST = 18 CDSI

DOWNCAST = no SIP in the last 7 days

BREMCAST = 2 SIP in the last 3 days

### Soil Temperatures

July 7:           5 cm = 25.9 °C  
                       10 cm = 23.3 °C  
                       20 cm = 20.8 °C

DATE (July, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
5	31.0	14.0	0
6	32.1	14.9	0

