



Science For A Better Life

### MUCK CROPS RESEARCH STATION IPM 2016

#### Forecasting / weather information as of August 29, 2016

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	<b>1339</b>	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	<b>2036</b>	329-395 DD	1399-1711 DD	<b>2<sup>nd</sup> generation emerged</b>
<b>ONION MAGGOT</b> (DD base 4)	<b>1898</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Past 2<sup>nd</sup> generation peak</b>
<b>CARROT WEEVIL</b> (DD base 7)	<b>1496</b>	138-156 DD Oviposition	455 DD 90% oviposition	<b>Past 90% oviposition</b>
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>1628</b>	314 DD 1 <sup>st</sup> Gen	847 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> generation emerged</b>
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>1898</b>	600 DD 2 <sup>nd</sup> Gen	1000 DD 3 <sup>rd</sup> Gen	<b>3<sup>rd</sup> generation emerged</b>

#### Disease Forecasting

BOTCAST = 25 CDSI

DOWNCAST = No Sporulation Infection Period (SIP) in the last 4 days

BREMCAST = no SIP in the last 7 days

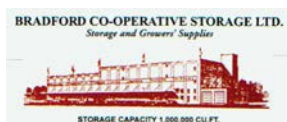
#### Soil Temperatures

August 28: 5 cm = 26.22 °C

10 cm = 26.05 °C

20 cm = 22.66 °C

DATE (August, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
25	30.25	20.29	0.8
26	29.48	16.31	0.1
27	28.85	11.26	0
28	30.74	17.65	0



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