



Bayer CropScience



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Canada



Growing Forward  
A federal-provincial-territorial initiative

### MUCK CROPS RESEARCH STATION IPM 2016

#### Forecasting / weather information as of August 11, 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>1684</b>	329-395 DD	1399-1711 DD	<b>2<sup>nd</sup> generation peaking</b>
<b>ONION MAGGOT</b> (DD base 4)	<b>1563</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> generation emergence continues</b>
<b>CARROT WEEVIL</b> (DD base 7)	<b>1216</b>	138-156 DD Oviposition	455 DD 90% oviposition	<b>Past 90% oviposition</b>
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>1329</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>1563</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 = 17 CDSI

DOWNCAST = no SIP in the last 7 days

BREMCAST = no SIP in the last 7 days

#### Soil Temperatures

August 7: 5 cm = 25.6 °C

10 cm = 23.1 °C

20 cm = 20.52 °C

DATE (August, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
8	29.98	11.13	0
9	31.61	10.95	0.1
10	34.82	16.85	0



Dow AgroSciences

