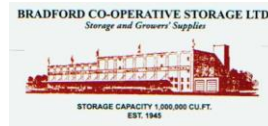




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### MUCK CROPS RESEARCH STATION IPM 2017

#### Forecasting / weather information as of September 13, 2017

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model (Start April 1, 2017):				
<b>GROWING DEGREE DAYS</b> (DD base 5)	<b>1734</b>	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	<b>2052</b>	329-395 DD	1399-1711 DD	
<b>ONION MAGGOT</b> (DD base 4)	<b>1892</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	
<b>CARROT WEEVIL</b> (DD base 7)	<b>1429</b>	138-156 DD Oviposition	455 DD 90% oviposition	
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>1147</b>	128 DD	390 DD adult emerge	
<b>TARNISHED PLANT BUG</b> (DD base 12)	<b>768</b>	40 DD		
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>1578</b>	314 DD 1 <sup>st</sup> Gen	847 DD 2 <sup>nd</sup> Gen	
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>1892</b>	200 DD 1 <sup>st</sup> Gen	600 DD 2 <sup>nd</sup> Gen	

#### Disease Forecasting

**BOTCAST** – Cumulative disease severity index (CDSI) for botrytis currently at 101, risk is moderate.

**DOWNCAST** – Sporulation nearly every day over the past week although infection was limited by leaf wetness. Risk is moderate.

**BREMCAS**T – There has been no sporulation infection periods (SIP) for downy mildew on lettuce in the past week meaning risk is low.

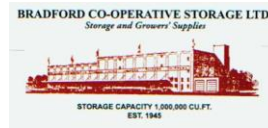
**TOMCAST** – CDSI of 119.

#### Soil Temperatures:

Sept 11: 5 cm – 13.8  
10 cm – 12.4  
20 cm – 14.2

DATE (Sept, 2017)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
5	21.6	12.7	5.4
6	27.4	10.8	0.0
7	20.3	10.3	0.0
8	21.4	6.8	0.0
9	18.9	6.9	0.0





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10	17.0	8.2	0.0
11	18.6	3.7	0.0

