



## MUCK CROPS RESEARCH STATION IPM 2015

### Forecasting / weather information as of September 2, 2015

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	1742			
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	2033	329-395 DD	1399-1711 DD	<b>Past the 2nd generation emergence threshold</b>
<b>ONION MAGGOT</b> (DD base 4)	1887	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Past the 2<sup>nd</sup> generation peak</b>
<b>CARROT WEEVIL</b> (DD base 7)	1462	138-156 DD Oviposition	455 DD 90% oviposition	

DATE (August, 2015)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
28	24.6	10.6	0
29	27.3	16.7	0
30	29.9	14.7	0
31	31.4	17.4	0

### Disease Forecasting

**BOTCAST:** 76 CDSI

**DOWNCAST:** Three sporulation infection periods in the last 5 days.

**BREMCAST:** 2 sporulation infection periods in the last 2 days.

### Soil Temperatures

**September 2:** 5 cm = 25.9 °C

10 cm = 24.3 °C

20 cm = 21.7 °C

