



## MUCK CROPS RESEARCH STATION IPM 2014

### Forecasting / weather information as of May 21, 2015

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	282.4	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	366.8	329-395 DD	1399-1711 DD	<b>Reached the 1<sup>st</sup> generation emergence threshold</b>
<b>ONION MAGGOT</b> (DD base 4)	323.7	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Reached the DD threshold for the 1<sup>st</sup> generation emergence</b>
<b>CARROT WEEVIL</b> (DD base 7)	207.9	138-156 DD Oviposition	455 DD 90% oviposition	<b>Reached threshold for the start of egg laying</b>
<b>ASTER LEAFHOPPER</b> (DD base 9)	142.5	128 DD	390 DD adult emerge	<b>Reached the DD threshold for egg maturation</b>
<b>TARNISHED PLANT BUG</b> (DD base 12)	77.0	40 DD		<b>Reached the DD threshold for emergence</b>

DATE (May,2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
15	17.1	7.0	0.5
16	24.6	12.1	0
17	26.7	7.5	0
18	30.8	16.6	0
19	22.4	4.2	0
20	15.3	2.7	0

### Soil Temperatures

May 21: 5 cm = 9.8 °C  
 10 cm = 11.9 °C  
 20 cm = 13.0 °C

