



## MUCK CROPS RESEARCH STATION IPM 2014

### Forecasting / weather information as of May 26, 2015

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
<b>GROWING DEGREE DAYS</b> (DD base 5)	327.8	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	422.2	329-395 DD	1399-1711 DD	<b>Reached the 1<sup>st</sup> generation emergence threshold</b>
<b>ONION MAGGOT</b> (DD base 4)	374.1	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Reached the 1<sup>st</sup> generation emergence threshold</b>
<b>CARROT WEEVIL</b> (DD base 7)	243.4	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)	169.5	128 DD	390 DD adult emerge	<b>Reached the DD threshold for egg maturation</b>
<b>TARNISHED PLANT BUG</b> (DD base 12)	93.3	40 DD		<b>Reached the DD threshold for emergence</b>

DATE (May,2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
21	20.3	6.3	0
22	13.3	1.6	0
23	22.8	-1.3	0
24	28.1	7.1	0
25	27.7	14.8	1.8

### Soil Temperatures

May 26: 5 cm = 19.3 °C  
 10 cm = 17.2 °C  
 20 cm = 14.1 °C

