

## MUCK CROPS RESEARCH STATION IPM 2018

## Forecasting / weather information as of September 12, 2018

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>1977</b>	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	<b>2265</b>	329-395 DD	1399-1711 DD	<b>2<sup>nd</sup> generation, captured in field</b>
<b>ONION MAGGOT</b> (DD base 4)	<b>2120</b>	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>3<sup>rd</sup> generation adults possible</b>
<b>CARROT WEEVIL</b> (DD base 7)	<b>1695</b>	138-156 DD Oviposition	455 DD 90% oviposition	<b>2<sup>nd</sup> generation is possible, but exact determination is not available</b>
<b>ASTER LEAFHOPPER</b> (DD base 9)	<b>1417</b>	128 DD	390 DD adult emerge	<b>Adults detected, aster yellows detected</b>
<b>TARNISHED PLANT BUG</b> (DD base 12)	<b>1020</b>	40 DD		<b>Active, adults detected</b>
<b>CABBAGE MAGGOT</b> (DD base 6)	<b>1836</b>	314 DD 1 <sup>st</sup> Gen	847 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> generation</b>
<b>SEEDCORN MAGGOT</b> (DD base 4)	<b>2120</b>	200 DD 1 <sup>st</sup> Gen	600 DD 2 <sup>nd</sup> Gen	<b>2<sup>nd</sup> Generation</b>

DATE (September, 2018)	TEMPERATURE		RAIN (mm)
	MAX	MIN	
7	24.4	10.6	0
8	17.4	6.3	0
9	16.1	5.6	0
10	15.7	7.7	6.6
11	20.4	11.4	0.8