

## MUCK CROPS RESEARCH STATION IPM 2013

### Forecasting / weather information as of September 04, 2013

MODELS	CUM DEGREE DAYS (DD)	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	1785.6	not applicable	not applicable	
Insect Degree Day Models:				
<b>CARROT RUST FLY</b> (DD base 3)	2074.5	329-395 DD	1399-1711 DD	<b>Past DD threshold for the 2<sup>nd</sup> generation emergence</b>
<b>ONION MAGGOT</b> (DD base 4)	1928.2	210 DD 1 <sup>st</sup> Gen	1025 DD 2 <sup>nd</sup> Gen	<b>Past DD threshold for the 2<sup>nd</sup> generation emergence</b>
<b>ASTER LEAFHOPPER</b> (DD base 9)	1243.2	128 DD	390 DD adult emerge	<b>Past DD threshold for local adult emergence</b>
<b>TARNISHED PLANT BUG</b> (DD base 12)	869.0	40 DD		<b>Past DD threshold for emergence</b>

### Disease forecast

Risk of downy mildew on lettuce is high. Downy mildew has been confirmed on lettuce in the Holland Marsh.

DATE (August , 2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
29	30.6	16.5	0
30	29.3	16.4	3.6
31	25.9	18.2	0
<b>September 01</b>	26.2	17.3	0.4
02	24.1	14.2	3.3
03	26.7	11.5	0

### Soil Temperatures

September 3: 10 cm = 18.5°C; 20 cm = 19.2°C