

MUCK CROPS RESEARCH STATION IPM 2013

Forecasting / weather information as of September 24, 2013

MODELS	CUM DEGREE DAYS (DD)	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	1984.22	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	2313.2	329-395 DD	1399-1711 DD	Past DD threshold for the 2nd generation emergence
ONION MAGGOT (DD base 4)	2146.8	210 DD 1 st Gen	1025 DD 2 nd Gen	Past DD threshold for the 2nd generation emergence
ASTER LEAFHOPPER (DD base 9)	1361.8	128 DD	390 DD adult emerge	Past DD threshold for local adult emergence
TARNISHED PLANT BUG (DD base 12)	939.5	40 DD		Past DD threshold for emergence

Disease forecast

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

DATE (September, 2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
18	23.9	2.4	0.1
19	24.4	5.6	0
20	25.4	15.8	22.6
21	19.7	9.9	28.1
22	13.3	6.8	0.3
23	16.3	3.9	0

Soil Temperatures

September 23: 10 cm = 13.7°C; 20 cm = 15.2°C