

MUCK CROPS RESEARCH STATION IPM 2013

Forecasting / weather information as of June 27, 2013

MODELS	CUM DEGREE DAYS (DD)	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	727.5	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	878.5	329-395 DD	1399-1711 DD	Past DD threshold for the 1st generation emergence
ONION MAGGOT (DD base 4)	801.2	210 DD 1 st Gen	1025 DD 2 nd Gen	Past DD threshold for the 1st generation emergence
CARROT WEEVIL (DD base 7)	587.0	138-156 DD Oviposition	455 DD 90% oviposition	Past DD threshold for 90% oviposition
ASTER LEAFHOPPER (DD base 9)	461.2	128 DD	390 DD adult emerge	Reached DD threshold for local adult emergence
TARNISHED PLANT BUG (DD base 12)	294.0	40 DD		Reached DD threshold for emergence

Disease forecast

BOTCAST: The cumulative disease severity index (CDSI) for botrytis leaf blight is 15. Risk of botrytis leaf blight at this time is low to moderate.

Risk of downy mildew of onions and lettuce is low.

DATE (June,2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
24	32.7	20.4	0
25	29.2	20.9	0
26	31.6	17.3	0

Soil Temperatures

June 26: 5 cm = 22.4°C; 10 cm = 21.3°C; 20 cm = 19.7°C