



MUCK CROPS RESEARCH STATION IPM 2015

Forecasting / weather information as of June 30, 2015

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	795.0	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	959.5	329-395 DD	1399-1711 DD	Past the 1st generation emergence threshold
ONION MAGGOT (DD base 4)	876.4	210 DD 1 st Gen	1025 DD 2 nd Gen	Past the 1st generation
CARROT WEEVIL (DD base 7)	640.6	138-156 DD Oviposition	455 DD 90% oviposition	Reached the 90% oviposition threshold
ASTER LEAFHOPPER (DD base 9)	496.8	128 DD	390 DD adult emerge	Reached the DD threshold for emergence
TARNISHED PLANT BUG (DD base 12)	317.0	40 DD		Reached the DD threshold for emergence

DATE (June, 2015)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
26	24.9	11.8	0
27	19.0	12.2	24.6
28	16.9	12.7	8.2
29	24.9	14.4	0.1

Disease Forecasting

BOTCAST: 25 CDSI

DOWNCAST: No sporulation infection periods in the last 4 days.

BREMCAST: One sporulation infection period in the last 4 days.

Soil Temperatures

June 30: 5 cm = 20.6 °C

10 cm = 19.7 °C

20 cm = 17.5 °C

