



MUCK CROPS RESEARCH STATION IPM 2014

Forecasting / weather information as of June 30, 2014

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	743.8	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	907.1	329-395 DD	1399-1711 DD	1st generation emergence threshold has been reached
ONION MAGGOT (DD base 4)	823.6	210 DD 1 st Gen	1025 DD 2 nd Gen	Getting closer to the 2nd generation threshold
CARROT WEEVIL (DD base 7)	592.3	138-156 DD Oviposition	455 DD 90% Oviposition	Reached threshold for 90% of egg laying
ASTER LEAFHOPPER (DD base 9)	461.8	128 DD eggs hatch	390 DD adult emerge	1st generation adult emergence threshold reached
TARNISHED PLANT BUG (DD base 12)	298.5	40 DD		Reached threshold for adult emergence

DATE (June,2013)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
26	28.24	14.84	0
27	29.66	11.91	0
28	31.63	13.85	0
29	31.96	16.83	0

Soil Temperatures

June 30: 20 cm = 19.0°C

BOTCAST: The cumulative disease severity index (CDSI) for botrytis leaf blight is 16. Risk of botrytis leaf blight at this time is low to moderate.

DOWNCAST predicted no sporulation infection periods in the last 4 days. Taking into account the weather forecast and crop canopy size, risk of downy mildew on transplanted onions is low to moderate and low on seeded onions.

BREMCAST predicted no sporulation infection periods in the last 4 days. Risk of downy mildew of lettuce is low to moderate.

