



MUCK CROPS RESEARCH STATION IPM 2014

Forecasting / weather information as of August 18, 2014

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	1441.7	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	1703.0	329-395 DD	1399-1711 DD	Reached threshold for 2nd generation emergence
ONION MAGGOT (DD base 4)	1570.6	210 DD 1 st Gen	1025 DD 2 nd Gen	Reached threshold for 2nd generation emergence
ASTER LEAFHOPPER (DD base 9)	963.8	128 DD eggs hatch	390 DD adult emerge	
TARNISHED PLANT BUG (DD base 12)	653.4	40 DD		

DATE (August,2014)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
14	17.22	10.86	0.9
15	23.41	11.22	0
16	20.63	10.15	5.3
17	23.62	11.64	0

Soil Temperatures

August 18: 10 cm = 21.5, 20 cm = 17.6°C

DOWNCASST predicted 1 sporulation infection periods in the last 4 days. Taking into account the weather forecast and crop canopy size, risk of downy mildew on onions is high. Onion downy mildew has been confirmed in the Marsh.

BOTCAST: The cumulative disease severity index (CDSI) for botrytis leaf blight is 50. Risk of botrytis leaf blight at this time is high.

BREMCAST predicted 2 sporulation infection periods in the last 4 days. Risk of downy mildew of lettuce is high.

