



MUCK CROPS RESEARCH STATION IPM 2009

Forecasting / weather information as of September 15, 2009

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	1646.4	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	1962.9	329-395 DD	1399-1711 DD	Past the DD threshold for the 2st generation emergence
ONION MAGGOT (DD base 4)	1804.4	210 DD 1 st Gen	1025 DD 2 nd Gen	Past the DD threshold for the 2st generation emergence
CARROT WEEVIL (DD base 7)	1337.6	138-156 DD	455 DD 90% oviposition	Past the DD threshold for 90% oviposition
LEAF HOPPER (DD base 9)	1051.5	128 DD	390 DD adult emerge	Past the DD threshold for local adult emergence
TARNISHED PLANT BUG (DD base 12)	660.5	40 DD		Past emergence threshold

DATE	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
08 September	26.6	10.2	0
09 September	26.2	10.7	0
10 September	25.1	8.1	0
11 September	21.8	5.1	0
12 September	24.0	6.8	0
13 September	22.5	9.0	0
14 September	24.5	7.7	0

We found this morning new downy mildew infections on lettuce on station. BREMCAS, a forecasting model for lettuce downy mildew, also has predicted a couple of sporulation infection periods over the past few days. At this moment risk of downy mildew of lettuce is moderate to high. Risk will increase if the crop is close to maturity and/or if you already have lettuce downy mildew present in the field.

