MUCK CROPS RESEARCH STATION IPM 2009

Forecasting / weather information as of June 23, 2009

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	523.5	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	672.1	329-395 DD	1399-1711 DD	**Past the 1st generation emergence**
ONION MAGGOT (DD base 4)	597.5	210 DD 1st Gen	1025 DD 2nd Gen	**Past the 1st generation emergence**
CARROT WEEVIL (DD base 7)	382.7	138-156 DD	455 DD 90% ovipostion	**Reached the DD threshold for oviposition**
LEAF HOPPER (DD base 9)	264.6	128 DD	390 DD adult emerge	**Reached the DD threshold for overwintering eggs to hatch**
TARNISHED PLANT BUG (DD base 12)	125.6	40 DD		**Past emergence threshold**

DATE	TEMPERATURE (^{O}C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
19 June	24.9	8.5	0
20 June	18.0	14.8	18.8
21 June	24.3	14.1	0
22 June	28.3	13.5	0

Disease Forecast

BOTCAST which is used to predict botrytis on onions has a cumulative disease severity index (CDSI) of 12. Risk of developing botrytis on onions at this time is low.

DOWNCAST predicted no sporulation infection period for the last 3 days. Risk of downy mildew on transplanted and seeded onions is low.

BREMCAST predicted no sporulation infection period for the last 3 days. Risk of downy mildew on lettuce is low.