

MUCK CROPS RESEARCH STATION IPM 2016

Forecasting / weather information as of August 22, 2016

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model:				
GROWING DEGREE DAYS (DD base 5)	1339	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	1922	329-395 DD	1399-1711 DD	2nd generation emerged
ONION MAGGOT (DD base 4)	1789	210 DD 1 st Gen	1025 DD 2 nd Gen	Past 2nd generation peak
CARROT WEEVIL (DD base 7)	1405	138-156 DD Oviposition	455 DD 90% oviposition	Past 90% oviposition
CABBAGE MAGGOT (DD base 6)	1531	314 DD 1 st Gen	847 DD 2 nd Gen	2nd generation emerged
SEEDCORN MAGGOT (DD base 4)	1789	600 DD 2 nd Gen	1000 DD 3 rd Gen	3rd generation emerged

Disease Forecasting

BOTCAST = 20 CDSI

DOWNCAST = 1 Sporulation Infection Period (SIP) in the last 4 days

BREMCAST = no SIP in the last 7 days

Soil Temperatures

August 22: 5 cm = 20.15 °C

10 cm = 20.31 °C

20 cm = 21.27 °C

DATE (August, 2016)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
18	29.26	16.8	0
19	29.92	14.8	0
20	31.29	19.7	0.2
21	26.37	15.7	1.6
22	23.67	10.16	0