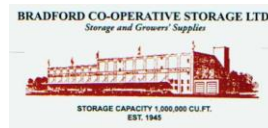




Science For A Better Life



MUCK CROPS RESEARCH STATION IPM 2017

Forecasting / weather information as of August 25, 2017

MODELS	CUM DEGREE DAYS	THRESHOLDS		COMMENTS:
		ONE	TWO	
Standard Growing Degree Day Model (Start April 1, 2017):				
GROWING DEGREE DAYS (DD base 5)	1570	not applicable	not applicable	
Insect Degree Day Models:				
CARROT RUST FLY (DD base 3)	1854	329-395 DD	1399-1711 DD	2nd gen. active
ONION MAGGOT (DD base 4)	1711	210 DD 1 st Gen	1025 DD 2 nd Gen	2nd gen. active
CARROT WEEVIL (DD base 7)	1299	138-156 DD Oviposition	455 DD 90% oviposition	
ASTER LEAFHOPPER (DD base 9)	1051	128 DD	390 DD adult emerge	
TARNISHED PLANT BUG (DD base 12)	721	40 DD		
CABBAGE MAGGOT (DD base 6)	1431	314 DD 1 st Gen	847 DD 2 nd Gen	
SEEDCORN MAGGOT (DD base 4)	1711	200 DD 1 st Gen	600 DD 2 nd Gen	

Disease Forecasting

BOTCAST – Cumulative disease severity index (CDSI) for botrytis currently at 92, risk is moderate.

DOWNCAST – No combined sporulation infection periods, although sporulation likely occurred on two of the past four days with leaf dryness generally limiting infection. Since downy mildew is present, risk is still moderate to high as leaf wetness is variable depending on the specific field.

BREMCAST – There has been no sporulation infection periods (SIP) for downy mildew on lettuce in the past four days, meaning risk is low.

TOMCAST – CDSI of 114.

Soil Temperatures:

Aug 24: 5 cm – 18.7

10 cm – 17.5

20 cm – 19.3

DATE (August, 2017)	TEMPERATURE (°C)		ACCUMULATED RAINFALL (mm)
	MAX	MIN	
22	30.4	13.7	19.6
23	25.7	15.3	0.0
24	22.7	11.9	0.0

