



MUCK CROPS RESEARCH STATION IPM 2015

Forecasting / weather information as of June 9, 2015

| MODELS | CUM DEGREE DAYS | THRESHOLDS | | COMMENTS: |
|--|-----------------------|-------------------------------|--------------------------------|---|
| | | ONE | TWO | |
| Standard Growing Degree Day Model: | | | | |
| GROWING DEGREE DAYS (DD base 5) | 501.5 | not applicable | not applicable | |
| Insect Degree Day Models: | | | | |
| CARROT RUST FLY (DD base 3) | 623.9 | 329-395 DD | 1399-1711 DD | Past the 1st generation emergence threshold |
| ONION MAGGOT (DD base 4) | 561.9 | 210 DD 1 st Gen | 1025 DD 2 nd Gen | Past the 1st generation peak |
| CARROT WEEVIL (DD base 7) | 389.1 | 138-156 DD Oviposition | 455 DD 90% oviposition | Weevils are currently laying eggs |
| ASTER LEAFHOPPER (DD base 9) | 287.2 | 128 DD | 390 DD adult emerge | Reached the DD threshold for egg maturation |
| TARNISHED PLANT BUG (DD base 12) | 170.5 | 40 DD | | Reached the DD threshold for emergence |

| DATE (June, 2015) | TEMPERATURE (°C) | | ACCUMULATED RAINFALL (mm) |
|-------------------|------------------|------|---------------------------|
| | MAX | MIN | |
| 5 | 24.8 | 12.3 | 15 |
| 6 | 21.5 | 9.4 | 0 |
| 7 | 23.8 | 4.1 | 0.8 |
| 8 | 23.9 | 17.4 | 27.6 |

Soil Temperatures

June 9: 5 cm = 19.8 °C
 10 cm = 18.6 °C
 20 cm = 15.6 °C

