



MUCK CROPS RESEARCH STATION IPM 2015

Forecasting / weather information as of September 23, 2015

| MODELS | CUM DEGREE DAYS | THRESHOLDS | | COMMENTS: |
|---|-----------------------|-------------------------------|--------------------------------|-----------|
| | | ONE | TWO | |
| Standard Growing Degree Day Model: | | | | |
| GROWING DEGREE DAYS (DD base 5) | 2067 | | | |
| Insect Degree Day Models: | | | | |
| CARROT RUST FLY (DD base 3) | 2401 | 329-395 DD | 1399-1711 DD | |
| ONION MAGGOT (DD base 4) | 2233 | 210 DD 1 st Gen | 1025 DD 2 nd Gen | |
| CARROT WEEVIL (DD base 7) | 1742 | 138-156 DD Oviposition | 455 DD 90% oviposition | |

| DATE (September, 2015) | TEMPERATURE (°C) | | ACCUMULATED RAINFALL (mm) |
|------------------------|------------------|------|------------------------------|
| | MAX | MIN | |
| 10 | 24.9 | 8.6 | 0 |
| 11 | 23.2 | 11.5 | 1.3 |
| 12 | 16.1 | 12.0 | 5.5 |
| 13 | 15.2 | 10.3 | 6.7 |
| 14 | 24.1 | 7.8 | 0 |
| 15 | 29.6 | 8.0 | 0 |
| 16 | 29.9 | 13.1 | 0 |
| 17 | 30.3 | 9.6 | 0 |
| 18 | 27.0 | 14.9 | 0.4 |
| 19 | 25.2 | 13.0 | 3.5 |
| 20 | 20.9 | 6.5 | 0.1 |
| 21 | 21.3 | 5.1 | 0 |
| 22 | 24.2 | 5.1 | 0 |

Soil Temperatures

September 23: 5 cm = 14.5 °C

10 cm = 15.0 °C

20 cm = 16.2 °C

