



Ontario Crops Research Centre – Bradford (Muck Station) IPM Report 2025

Forecasting, weather and degree day information for 10 September 2025

Standard Growing Degree Day Model (starting 1 April):

| MODELS | CUMULATIVE DEGREE DAYS | DEGREE DAYS SINCE LAST REPORT |
|--|------------------------|-------------------------------|
| Growing degree days (DD base 5) | 1846 | 59 |

Insect Degree Day Models:

| MODELS | CUMULATIVE DEGREE DAYS | THRESHOLD ONE | THRESHOLD TWO | COMMENTS: |
|--|------------------------|---|---|----------------------------|
| CARROT RUST FLY (DD base 3) | 2154 | Emergence at 329-395 DD (1 st gen) | Emergence at 1399-1711 DD (2 nd gen) | Some activity |
| CARROT WEEVIL (DD base 7) | 1999 | Egg laying starts at 138-156 DD | Egg laying 90% complete at 455 DD | Egg laying period complete |
| ASTER LEAFHOPPER (DD base 9) | 1261 | Nymphs emerge at 128 DD | Adults emerge at 390 DD | Activity |
| TARNISHED PLANT BUG (DD base 12) | 875 | Activity can start at 40 DD | | Activity |



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Disease Forecasting

| Disease model | Cumulative DSI | Change since last report | Comments |
|--|---|--------------------------|---|
| Sclerotinia (White Mold) on Carrot | 0 | Slight increase | Moderate risk. Canopies closed and some mold has been found |
| TOMCAST (General conditions for disease) | 143 | 0 | Low to moderate risk |
| BREMCAST (Lettuce downy mildew) | Sporulation-infection periods on 7/7 days | Same | High risk |

Daily Weather

| Date (September) | Max temperature (°C) | Min temperature (°C) | Rain (mm) |
|------------------|----------------------|----------------------|-----------|
| 3 | 26.7 | 6.9 | 0.0 |
| 4 | 18.9 | 6.4 | 22.8 |
| 5 | 22.8 | 6.4 | 0.0 |
| 6 | 19.9 | 8.0 | 0.0 |
| 7 | 17.4 | 6.7 | 0.0 |
| 8 | 19.4 | 4.3 | 0.0 |

Soil Temperature (°C): 5cm: 15.5



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