



# Ontario Crops Research Centre – Bradford (Muck Station) IPM Forecasting 2026

Forecasting, weather and degree day information as of October 8

Standard Growing Degree Day Model (starting 1 April):

| MODELS                          | CUMULATIVE DEGREE DAYS | DEGREE DAYS SINCE LAST REPORT |
|---------------------------------|------------------------|-------------------------------|
| Growing degree days (DD base 5) | 2135                   | 58                            |

Insect Degree Day Models:

| MODELS                              | CUMULATIVE DEGREE DAYS | THRESHOLD ONE                                 | THRESHOLD TWO                                   | COMMENTS: |
|-------------------------------------|------------------------|-----------------------------------------------|-------------------------------------------------|-----------|
| CARROT RUST FLY<br>(DD base 3)      | 2491                   | Emergence at 329-395 DD (1 <sup>st</sup> gen) | Emergence at 1399-1711 DD (2 <sup>nd</sup> gen) | Activity  |
| ASTER LEAFHOPPER<br>(DD base 9)     | 1462                   | Nymphs emerge at 128 DD                       | Adults emerge at 390 DD                         | Activity  |
| TARNISHED PLANT BUG<br>(DD base 12) | 1011                   | Activity can start at 40 DD                   |                                                 | Activity  |

Disease Forecasting:

| Disease model                               | Cumulative DSI                            | Change since last report | Comments                                                     |
|---------------------------------------------|-------------------------------------------|--------------------------|--------------------------------------------------------------|
| Sclerotinia (White Mold) on Carrot          | 21                                        | 0                        | Moderate risk. White mold has been found but it has been dry |
| TOMCAST<br>(General conditions for disease) | 237                                       | +5                       | Moderate risk                                                |
| BREMCAST<br>(Lettuce downy mildew)          | Sporulation-infection periods on 6/7 days | Same                     | High risk                                                    |



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## Daily Weather

| Date (October) | Max temperature (°C) | Min temperature (°C) | Rain (mm) |
|----------------|----------------------|----------------------|-----------|
| 1              | 21.2                 | 16.4                 | 1.4       |
| 2              | 17.7                 | 10.5                 | 8.6       |
| 3              | 17.1                 | 2.3                  | 0.0       |
| 4              | 20.5                 | 3.1                  | 0.2       |
| 5              | 14.4                 | 3.7                  | 0.0       |
| 6              | 16.1                 | -1.0                 | 0.0       |
| 7              | 23.5                 | 11.2                 | 0.0       |

Soil Temperature (°C): 5cm: 13.6



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