



Tuesday, August 08, 2023

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Anthracnose Update – August 1, 2023

Amanda Tracey, Vegetable Crops Specialist, OMAFRA and Katie Goldenhar, Pathologist (Horticulture), OMAFRA



On July 25, 2023 the first anthracnose lesion was reported on an early maturing banana pepper variety in Kent County. With the recent discovery of a new and more aggressive species of anthracnose (*Colletotrichum scovillei*) in 2021, it is important that growers in this area are aware of this occurrence.

All pepper fruit, from freshly set to fully mature, are susceptible to infection from this anthracnose species and should be protected by specific fungicides weekly. Table 1 outlines products currently available for use against anthracnose in peppers.

Active ingredient	Product	FRAC Group	Maximum # of applications per year	Pre-Harvest Interval (days)
copper sulphate	Copper 53W	M1	10	2
captan **	Catan 80 WSP	M4	3	3
pyraclostrobin	Cabrio	11	6	0
azoxystrobin/ difenoconazole	Quadris Top	11 & 3	3*	1
difenoconazole/ benzovindiflupyr	Aprovia Top	3 & 7	4*	1
difenoconazole/ pydiflumetofen	Miravis Duo	3 & 7	2*	0
fludioxinil/ cyprodinil	Switch	12 & 9	3	0

Table 1. Fungicides registered on field peppers for the 2023 field season for anthracnose.

** Note that captan is an Emergency Use Label for one year.

For more information on anthracnose and management strategies, check out our post from June 9, 2023, Anthracnose Control in peppers (<https://onvegetables.com/2023/06/09/anthracnose-management-in-peppers/>).

If you suspect anthracnose in your crop please reach out to Amanda Tracey (519-350-7134) or Katie Goldenhar (519-835-5792) for confirmation and support.

“In This Issue”

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- ◆ ETHREL® Liquid Plant Growth Regulator label expanded via Minor Use Program to amend PHI for Mechanical and Hand Harvest for Field Tomatoes in Canada
- ◆ VCR – Vegetable Crop Report – August 3rd, 2023

ETHREL® Liquid Plant Growth Regulator label expanded via Minor Use Program to amend PHI for Mechanical and Hand Harvest for Field Tomatoes in Canada

Josh Mosiondz, Minor Use Coordinator, OMAFRA



The Pest Management Regulatory Agency (PMRA) recently announced the approval of a minor use label expansion registration amending ETHREL® Liquid Plant Growth Regulator to differentiate PHI values between mechanical- and hand-harvesting methods used on field tomatoes in Canada. ETHREL® Liquid Plant Growth Regulator was already registered for use on field tomatoes with the same use pattern in Canada. This minor use proposal was submitted by the Ontario Ministry of Agriculture, Food, and Rural Affairs as a result of minor use priorities established by growers and extension personnel.

The following is provided as an abbreviated, general outline only. Users should be making harvest decisions within a robust, integrated pest management program and should consult the complete label before using ETHREL® Liquid Plant Growth Regulator.

Crop(s)	Target	Rate (L of product / ha)	Application Information	PHI (days)
Field Tomatoes	Promotion of earlier uniformity, and concentrated tomato ripening	3.75	Mix 3.75 litres of ETHREL Plant Growth Regulator in 30 to 500 litres of water and broadcast spray uniformly over 1 hectare of foliage and fruit. When temperatures are expected to average less than 18°C and vegetative growth is dense, mix 6.4 litres of ETHREL Plant Growth Regulator in 30 to 500 litres of water and broadcast spray uniformly over 1 hectare of foliage and fruit. HARVEST FRUIT AT PROPER MATURITY, generally 14 to 21 days after treatment. Observe treated fruit frequently for condition of crop. Cool temperatures can slow colour development and extend the period between treatment and harvest. Some defoliation or yellowing of foliage following treatment will be observed.	3 Days for Mechanical Harvest 9 Days for Hand-Harvest

TOXIC to aquatic organisms, birds, small mammals and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE. To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

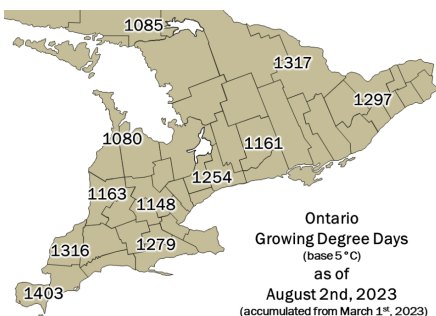
Follow all other precautions, restrictions, and directions for use on the ETHREL® Liquid Plant Growth Regulator label carefully.

For a copy of the new minor use label contact Amanda Tracey, Vegetable Crops Specialist, OMAFRA, Ridgetown (519) 350-7134, your regional supply outlet, regional supply outlet, or visit the PMRA label site <http://www.hc-sc.gc.ca/cps-spc/pest/registrant-titulaire/tools-outils/label-etiq-eng.php>

Note: This article is not intended to be an endorsement or recommendation for this particular product, but rather a notice of registration activity

VCR – Vegetable Crop Report – August 3rd, 2023

The VCR (vegetable crop report) is a weekly update which includes crop updates, weather and growing degree summaries for various vegetable growing regions across Ontario.



Welcome back to the VCR!

August has begun! This past July, most counties had more rain than the ten year average, while others managed to get about even to the average or a bit less. With August just beginning, we will have to wait and see if this holds over into this month.

VCR – Vegetable Crop Report – August 3rd, 2023...con't

Pest Degree Day Forecasting

County	Carrot Rust Fly	Onion Maggot	Carrot Weevil	Aster Leafhopper	Tarnished Plant Bug	Cabbage Maggot	Seedcorn Maggot	European Corn Borer
THRESHOLD	329-395, 1399-1711	210-700, 1025-1515	138-156, 455+	128+	40+	314-398, 847-960, 1446-1604	200-350, 600-750, 1000-1150	See legend below
Bruce***	1297	1186	872	679	433	974	1186	594
Essex*	1662	1529	1166	954	658	1280	1529	853
Chatham-Kent*	1558	1429	1077	869	583	1189	1429	772
Norfolk**	1528	1400	1056	849	567	1165	1400	751
Huron***	1393	1273	949	750	485	1051	1273	656
Wellington**	1460	1336	1002	800	526	1108	1336	704
Simcoe County***	1388	1272	946	753	491	1050	1272	662
Durham***	1490	1368	1030	831	558	1136	1368	737
Peterborough	1398	1280	945	746	478	1051	1280	653
Kemptville***	1522	1404	1071	864	584	1179	1404	765
Sudbury***	1290	1184	887	703	458	984	1184	616
Timiskaming***	1263	1157	851	665	424	951	1157	579
Lambton**	1512	1387	1039	836	558	1150	1387	739
Thunder Bay	1112	1011	728	562	335	820	1011	482
Middlesex*	1537	1413	1073	866	580	1180	1413	769
Renfrew	1529	1413	1083	878	603	1191	1413	783

*- Bivoltine region for ECB. First Peak Catch: 300-350 DD, Second Peak Catch 1050-1100 DD

**-. Overlap region for ECB. First Peak Catch: 300-350 DD Second Peak Catch 650-700 DD, Third Peak Catch 1050-1100 DD

***-Univoltine region for ECB. Peak Catch 650-700 DD

Use these thresholds as a guide, always confirm insect activity with actual field scouting and trap counts

Select a region below for the latest weather, crop and pest degree day information:

Norfolk(<https://onvegetables.com/2023/08/03/vcr2023-14/#NorfolkLink>)

Essex(<https://onvegetables.com/2023/08/03/vcr2023-14/#EssexLink>)

Sudbury(<https://onvegetables.com/2023/08/03/vcr2023-14/#SudburyLink>)

Chatham-Kent(<https://onvegetables.com/2023/08/03/vcr2023-14/#ChathamKentLink>)

Peterborough(<https://onvegetables.com/2023/08/03/vcr2023-14/#PeterboroughLink>)

Huron(<https://onvegetables.com/2023/08/03/vcr2023-14/#HuronLink>)

Durham(<https://onvegetables.com/2023/08/03/vcr2023-14/#DurhamLink>)

Thunder Bay(<https://onvegetables.com/2023/08/03/vcr2023-14/#ThunderBayLink>)

Bruce(<https://onvegetables.com/2023/08/03/vcr2023-14/#BruceLink>)

Kemptville(<https://onvegetables.com/2023/08/03/vcr2023-14/#KemptvilleLink>)

Lambton(<https://onvegetables.com/2023/08/03/vcr2023-14/#LambtonLink>)

Middlesex(<https://onvegetables.com/2023/08/03/vcr2023-14/#MiddlesexLink>)

Renfrew(<https://onvegetables.com/2023/08/03/vcr2023-14/#RenfrewLink>)

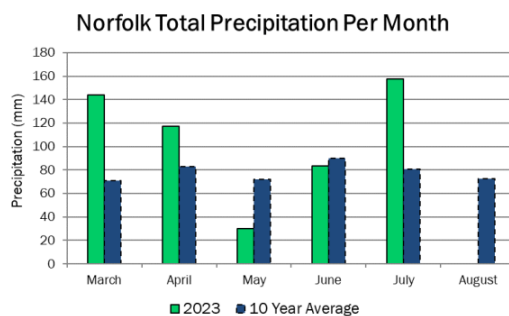
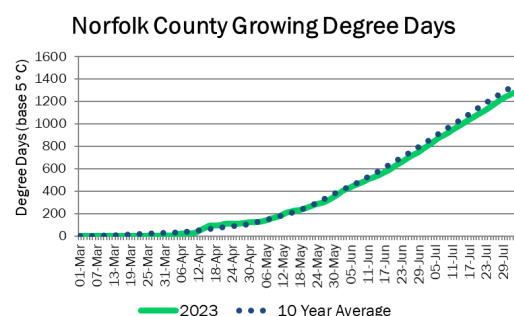
Simcoe(<https://onvegetables.com/2023/08/03/vcr2023-14/#SimcoeLink>)

Wellington Centre(<https://onvegetables.com/2023/08/03/vcr2023-14/#WellCentreLink>)

Wellington North(<https://onvegetables.com/2023/08/03/vcr2023-14/#WellNorthLink>)

Timiskaming(<https://onvegetables.com/2023/08/03/vcr2023-14/#TimiskamingLink>)

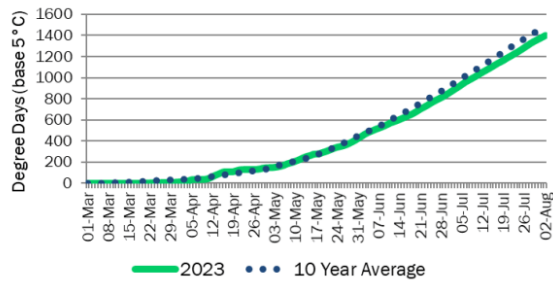
Norfolk



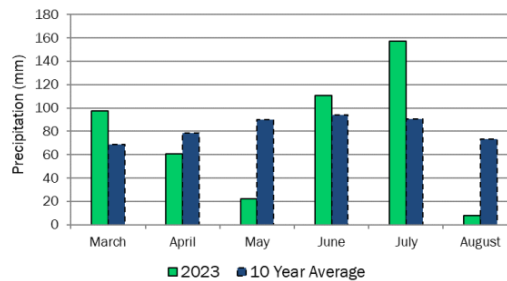
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Essex

Essex County Growing Degree Days

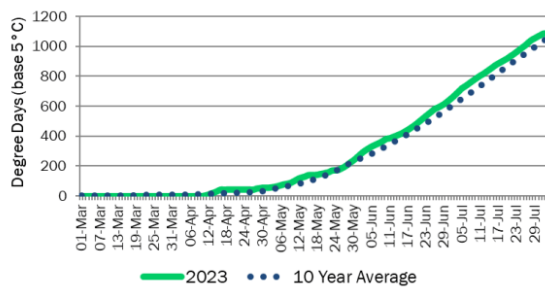


Essex Total Precipitation Per Month

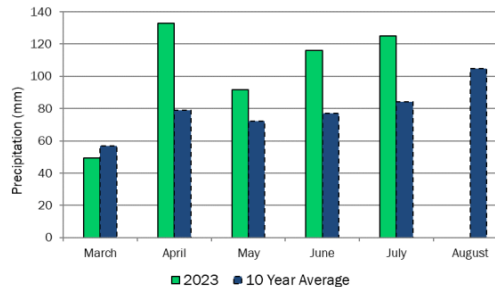


Sudbury

Sudbury County Growing Degree Days

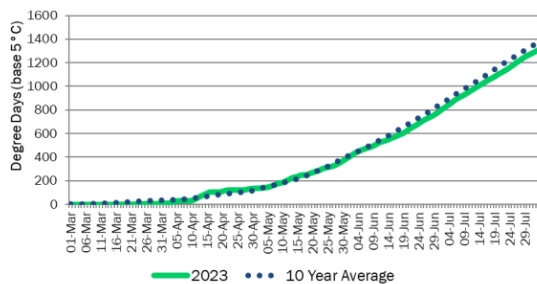


Sudbury Total Precipitation Per Month

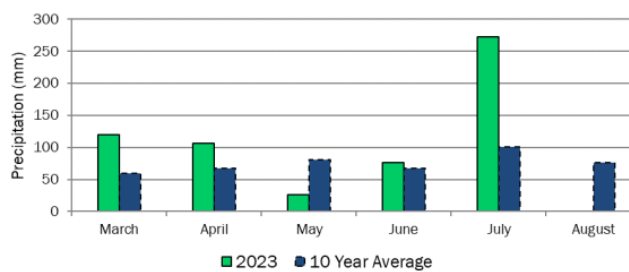


Chatham-Kent

Chatham-Kent County Growing Degree Days

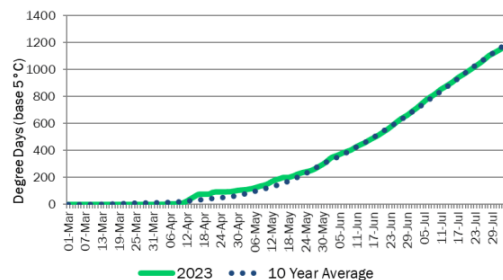


Chatham-Kent Total Precipitation Per Month

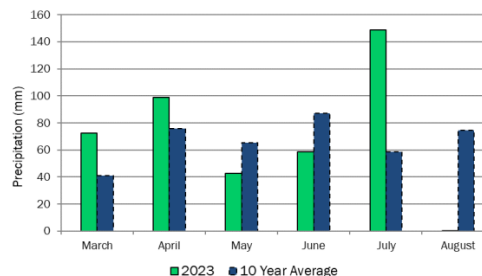


Peterborough

Peterborough County Growing Degree Days

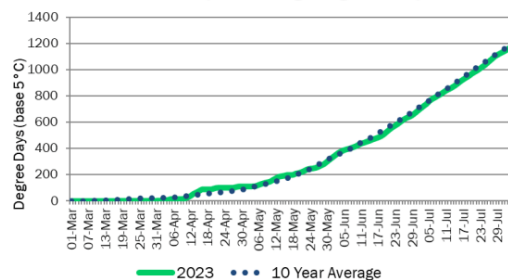


Peterborough Total Precipitation Per Month

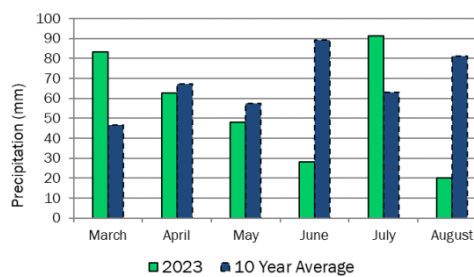


Huron

Huron County Growing Degree Days



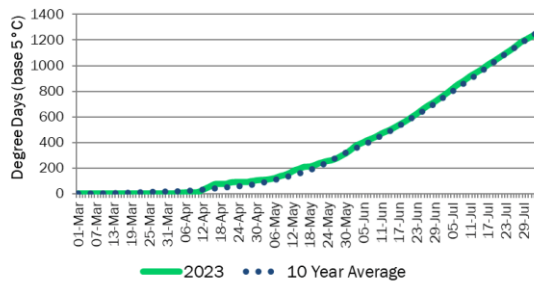
Huron Total Precipitation Per Month



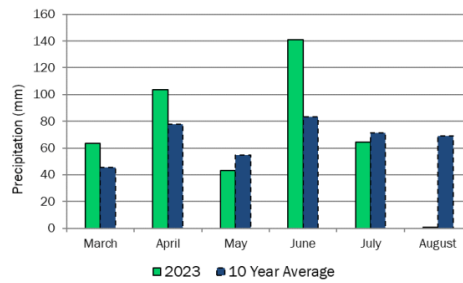
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Durham

Durham County Growing Degree Days

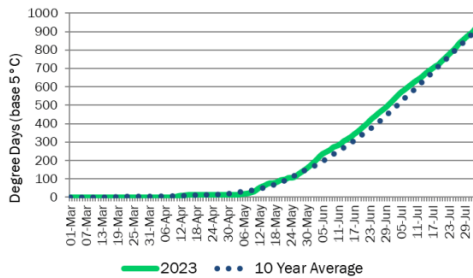


Durham Total Precipitation Per Month

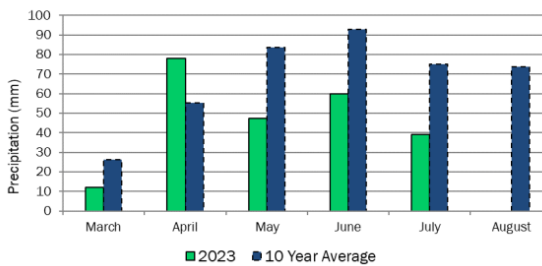


Thunder Bay

Thunder Bay Growing Degree Days

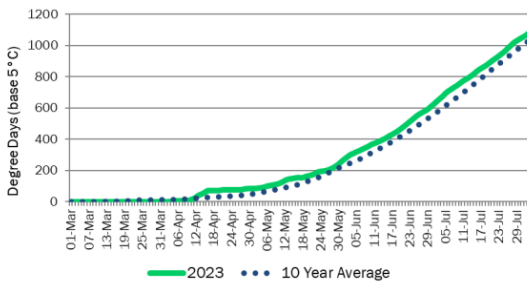


Thunder Bay Total Precipitation Per Month

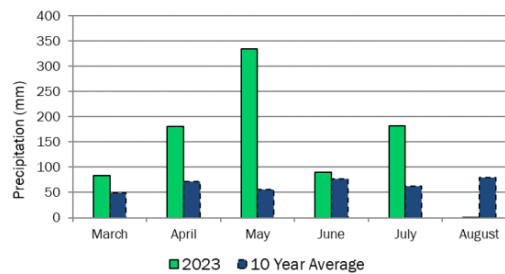


Bruce

Bruce County Growing Degree Days

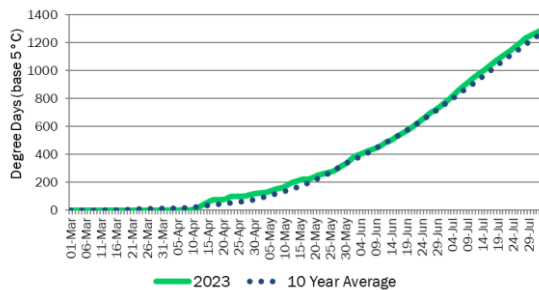


Bruce Total Precipitation Per Month

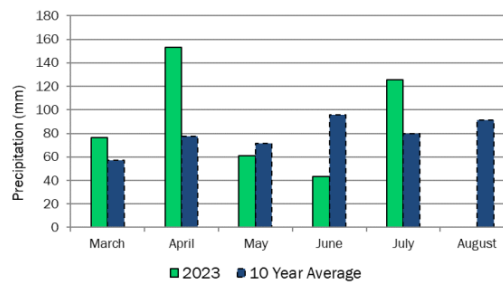


Kemptville

Kemptville County Growing Degree Days

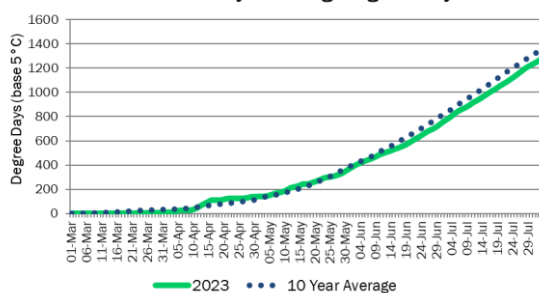


Kemptville Total Precipitation Per Month

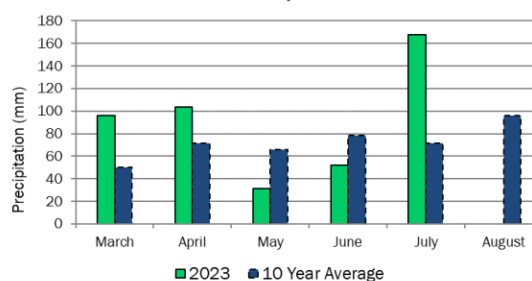


Lambton

Lambton County Growing Degree Days



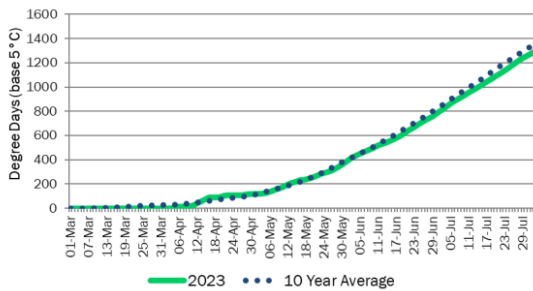
Lambton Total Precipitation Per Month



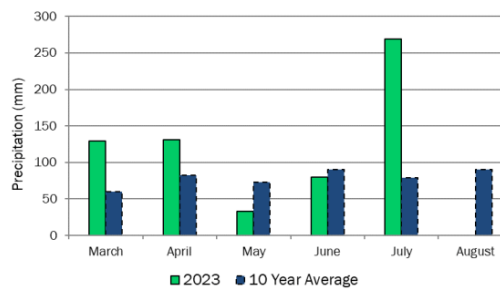
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Middlesex

Middlesex County Growing Degree Days

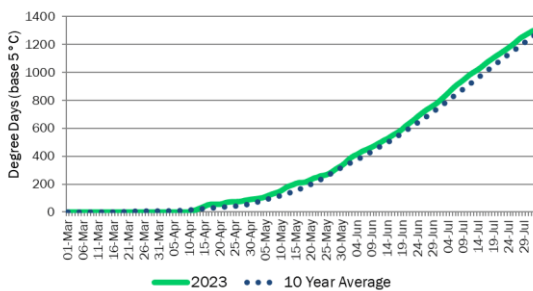


Middlesex Total Precipitation Per Month

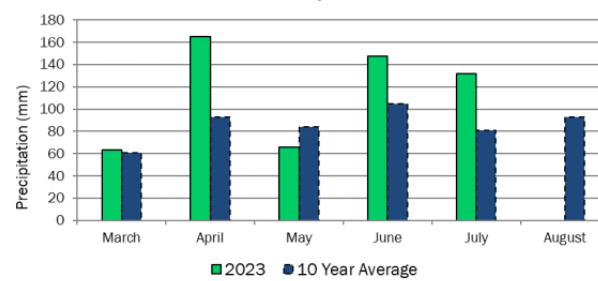


Renfrew

Renfrew County Growing Degree Days

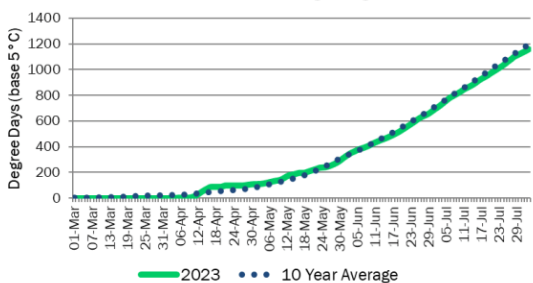


Renfrew Total Precipitation Per Month

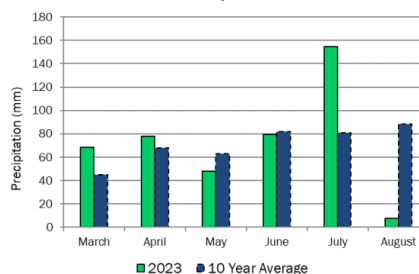


Simcoe

Simcoe County Growing Degree Days

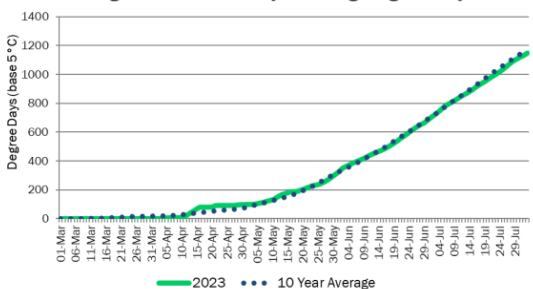


Simcoe Total Precipitation Per Month

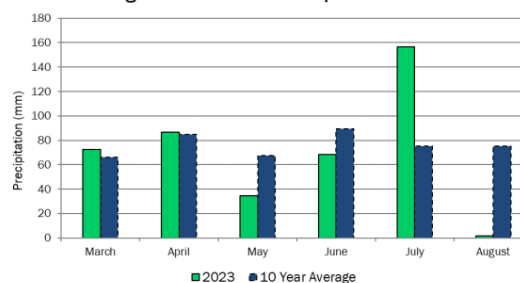


Wellington Centre

Wellington Centre County Growing Degree Days

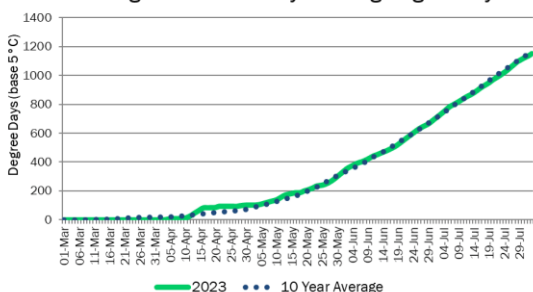


Wellington Centre Total Precipitation Per Month

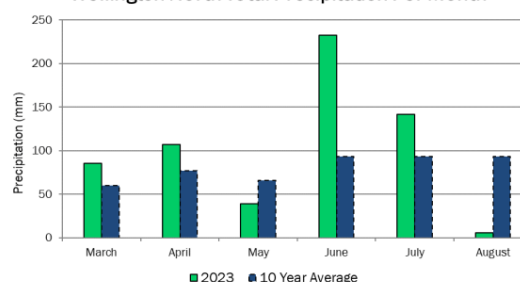


Wellington North

Wellington North County Growing Degree Days



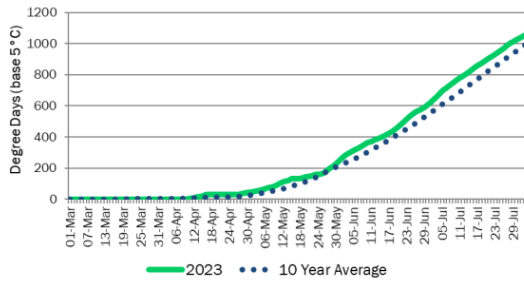
Wellington North Total Precipitation Per Month



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Timiskaming

Timiskaming County Growing Degree Days



Timiskaming Total Precipitation Per Month

