



Tuesday, September 22, 2020

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POAST ULTRA Herbicide label expanded via Minor Use Program for control of labeled weeds on green onions in Canada

J. Chaput, Minor Use Coordinator, OMAFRA



The Pest Management Regulatory Agency (PMRA) recently announced the approval of a minor use label expansion registration for **POAST® ULTRA Herbicide** for control of labeled weeds on green onions in Canada. **POAST® ULTRA Herbicide** was already labeled for management of grassy weeds on a wide range of crops in Canada.

This minor use proposal was submitted by Agriculture & Agri-Food Canada, Pest Management Centre (AAFC-PMC) 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 weed management decisions within a robust integrated weed management program and should consult the complete label before using **POAST® ULTRA Herbicide**.

Crop(s)	Target	Rate (L/ha)	Application Information	PHI (days)
Green onions	Labeled grassy weeds	Maximum of 1.1	Apply up to 2 applications per year not exceeding a total maximum application rate of 1.1 L/ha per season. Allow a minimum of 14 days between applications.	30

POAST® ULTRA Herbicide is toxic to aquatic organisms and non-target terrestrial plants. Do not apply this product or allow drift to other crops or non-target areas. Do not contaminate off-target areas or aquatic habitats when spraying or when cleaning and rinsing spray equipment or containers.

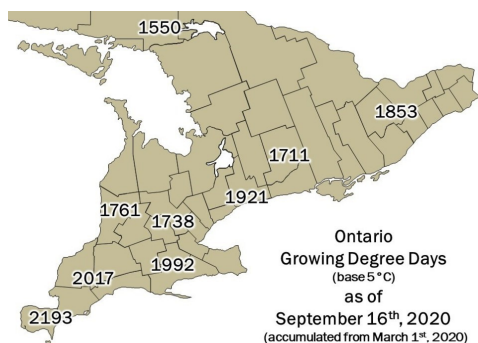
Follow all other precautions, restrictions and directions for use on the **POAST® ULTRA Herbicide** label carefully.

For a copy of the new minor use label contact your local crop specialist, regional supply outlet or visit the PMRA label site <https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management/registrants-applicants/tools/pesticide-label-search.html>

“In This Issue”

- ◆ **POAST ULTRA Herbicide** label expanded via Minor Use Program for control of labeled weeds on green onions in Canada
- ◆ **VCR – Vegetable Crop Report – September 17th, 2020**

VCR – Vegetable Crop Report – September 17th, 2020



The weather and pest forecasting dashboard is live! Check out values specific to your region at <https://onvegetables.com/weather-dashboard/>

Temperature – Day temperatures remain in the mid-teens to low 20s across Ontario and many regions will see single digit night temperatures into the weekend. Environment Canada has issued a frost warning in northern and eastern Ontario. Cabbage maggot is at threshold in Wellington and Peterborough. Degree day data for each region is shown below.

Rainfall – There is no rain in the forecast for southern Ontario over the next week but eastern and northern Ontario have a small chance of showers towards the end

of next week. Sudbury has now met it's 10 year precipitation average and Huron county has surpassed it's 10 year average. Precipitation data for each region is shown below.

Crop Updates

Brassica Crops – Bacterial head rots in cabbage and broccoli are present in both southwestern and eastern Ontario. Downy mildew and Alternaria are widespread. Scout for aphids in the growing points of the plant and continue to monitor for late season flushes of thrips, especially in cabbage destined for storage.

Celery – Harvest continues. Multiple pathogens are present causing celery leaf curl, Cercospora leaf spot, Sclerotinia rot and bacterial rots. When scouting late in the season, avoid moving through the crop when the leaves are wet as pathogens can spread easily on clothes/equipment throughout the field. Continue to monitor for aphids, tarnished plant bugs, aster leaf hoppers, and leafminers.

Cucurbits – Phytophthora fruit rot of pumpkin caused by *Phytophthora capsici* has been found in several counties. Symptoms often appear where the fruit is in contact with soil. Because conditions have been conducive to the development of this disease, now is a good time to monitor for low levels of disease. *Phytophthora* can build in soils and if low populations are present, crops should be rotated away from cucurbits and solanaceous crops. *Phytophthora* produces motile zoospores which are attracted to plant root exudates and can swim through water films and spread throughout wet fields. Improving drainage can be helpful in managing this pathogen. It is important to clean equipment and sanitize footwear between infested fields. Harvest of infested fields should be scheduled after healthy fields have been harvested where possible.

Cucumber beetles are still active and can cause direct feeding damage to the rind of cucurbits, reducing marketability and potentially leading to infection.



Figure 1. Cucurbit challenges. Clockwise from top left: Spotted cucumber beetle damaging watermelon rind, Simcoe ON, 8 Sept. Striped cucumber beetle on pumpkin, Elgin county, Sept 15. Leaky lesion on acorn squash, and similar symptom on buttercup squash showing underlying tissue damage Haldimand-Norfolk, Sept 15. Mild petiole infection by powdery mildew, Elgin county, Sept 15. Mini-pumpkin infected with *Phytophthora capsici*, 15 Sept.



Figure 2. A variety of decorative gourds ripening in the field. Elgin County, Sept 15.

Onions – Harvest is underway. No downy mildew outbreaks have been confirmed in Ontario.

VCR – Vegetable Crop Report – September 17th, 2020...con't

NOTE: Data as of September 16th, 2020

Pest Degree Day Forecasting

Pest	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
Essex*	2543	2364	1873	1584	1179	2030	2364	1447
Chatham-Kent*	2352	2179	1714	1434	986	1861	2179	1299
Norfolk**	2330	2158	1680	1401	958	1831	2158	1266
Huron***	2067	1911	1478	1206	781	1617	1911	1074
Wellington**	2053	1891	1454	1187	774	1593	1891	1060
Simcoe County***	2092	1933	1500	1232	820	1640	1933	1104
Durham***	2244	2080	1629	1359	929	1771	2080	1228
Peterborough	2031	1867	1424	1155	740	1564	1867	1026
Kemptville***	2171	2010	1563	1296	880	1703	2010	1169
Sudbury***	1830	1688	1288	1043	665	1416	1688	926

*- 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:

Essex County(<https://onvegetables.com/2020/09/17/vcr2020-21/#essex>)

Chatham-Kent County(<https://onvegetables.com/2020/09/17/vcr2020-21/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2020/09/17/vcr2020-21/#norfolk>)

Huron County(<https://onvegetables.com/2020/09/17/vcr2020-21/#huron>)

Wellington County(<https://onvegetables.com/2020/09/17/vcr2020-21/#wellington>)

Simcoe County(<https://onvegetables.com/2020/09/17/vcr2020-21/#simcoe>)

Durham County(<https://onvegetables.com/2020/09/17/vcr2020-21/#durham>)

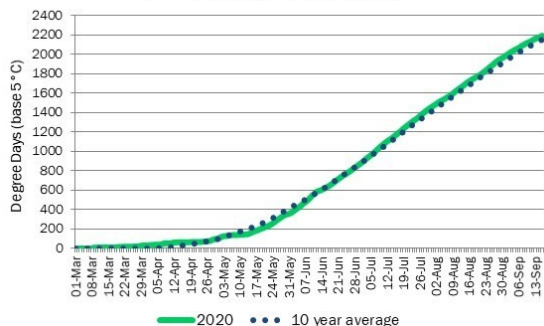
Peterborough(<https://onvegetables.com/2020/09/17/vcr2020-21/#peterborough>)

Kemptville(<https://onvegetables.com/2020/09/17/vcr2020-21/#kemptville>)

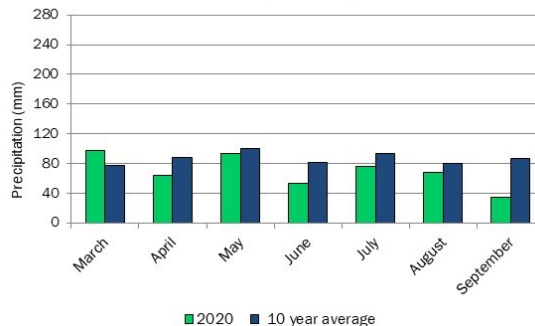
Sudbury(<https://onvegetables.com/2020/09/17/vcr2020-21/#sudbury>)

Essex County

Essex Growing Degree Days

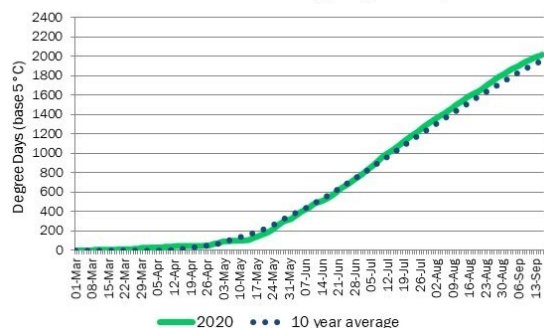


Essex Total Precipitation per Month

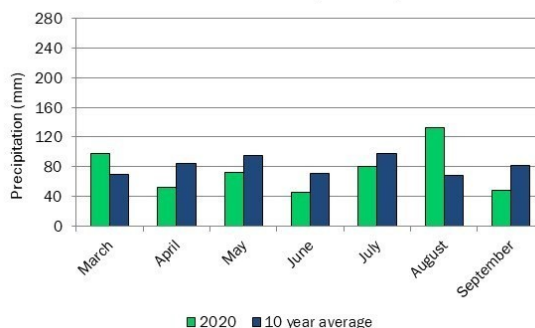


Chatham-Kent County

Chatham-Kent Growing Degree Days



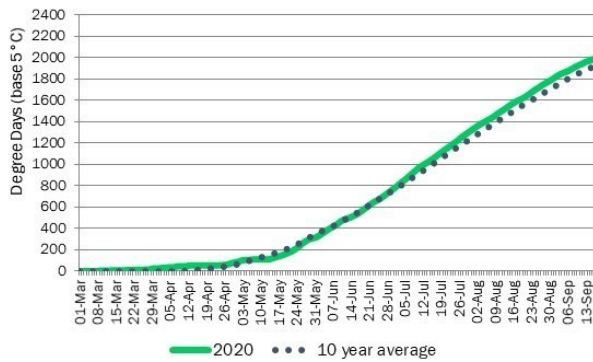
Chatham-Kent Total Precipitation per Month



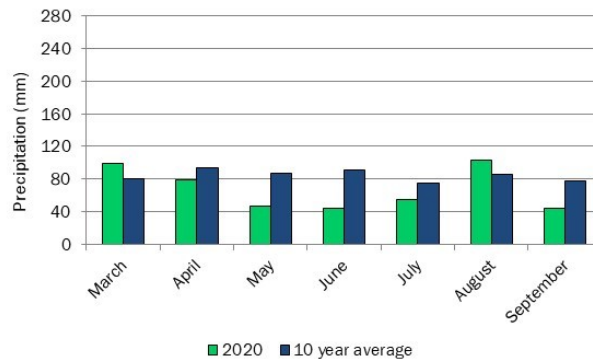
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Norfolk County

Norfolk Growing Degree Days

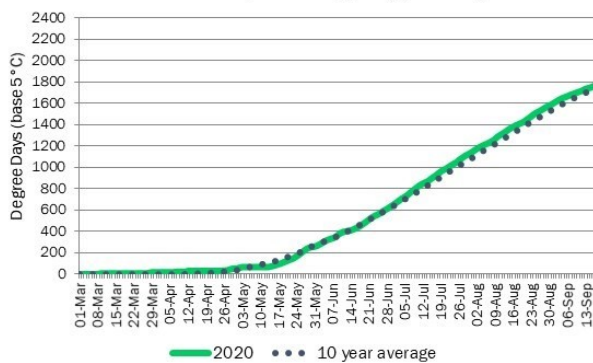


Norfolk Total Precipitation per Month

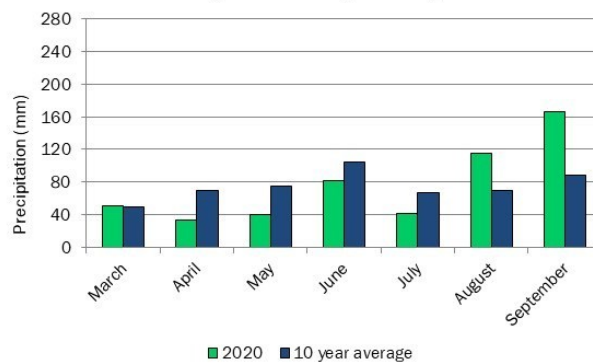


Huron County

Huron County Growing Degree Days

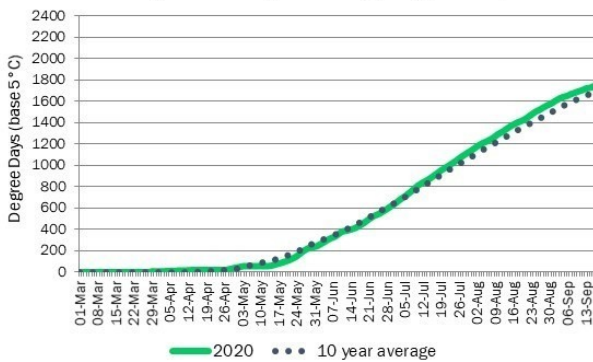


Huron County Total Precipitation per Month

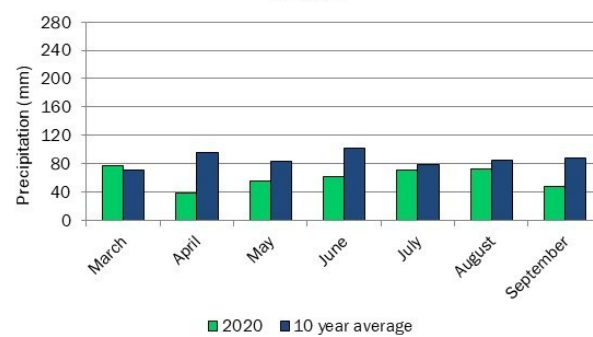


Wellington County

Wellington County Growing Degree Days

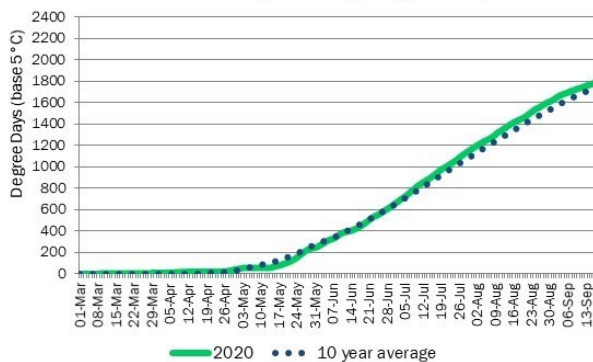


Wellington County Total Precipitation per Month

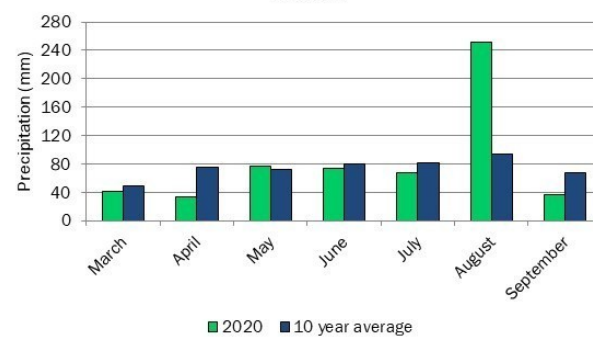


Simcoe County

Simcoe County Growing Degree days



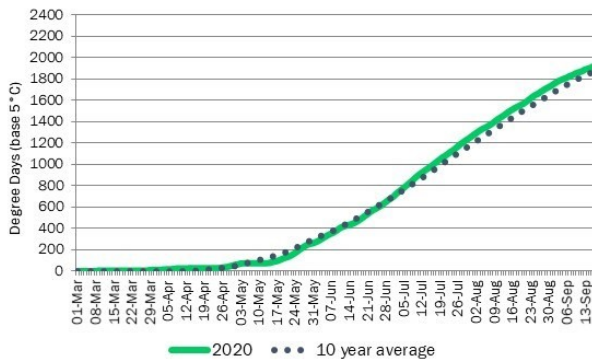
Simcoe County Total Precipitation per Month



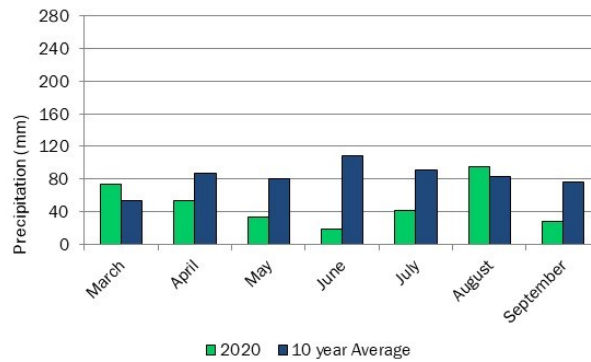
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Durham County

Durham Growing Degree Days

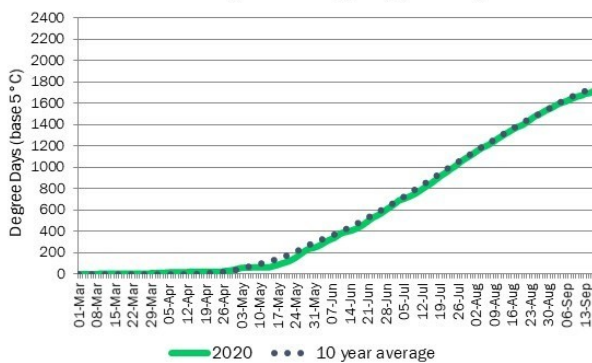


Durham Total Precipitation per Month

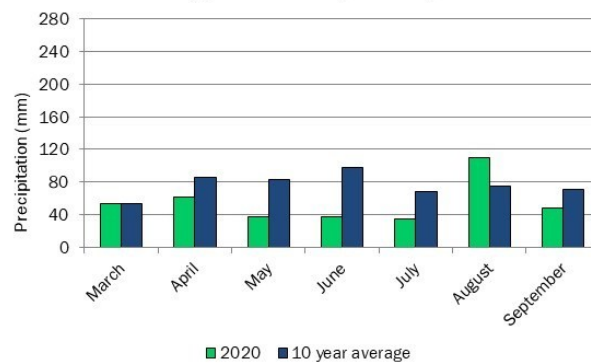


Peterborough

Peterborough Growing Degree Days

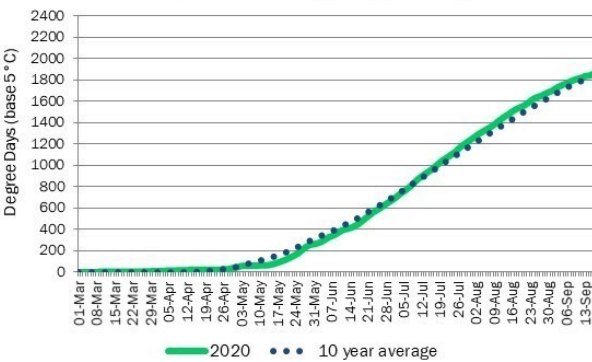


Peterborough Total Precipitation per Month

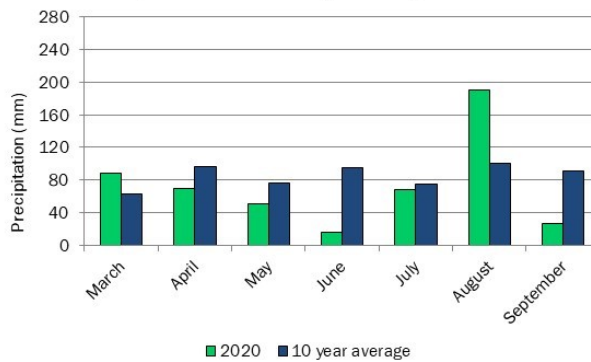


Kemptville

Kemptville Growing Degree Days

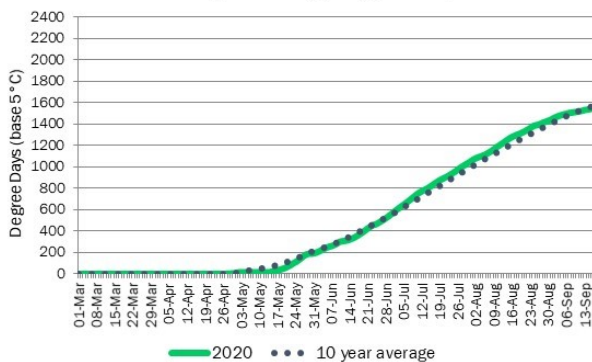


Kemptville Total Precipitation per Month



Sudbury

Sudbury Growing Degree Days



Sudbury Total Precipitation per Month

