



Wednesday, October 16, 2019

OMAFRA Vegetable Team:

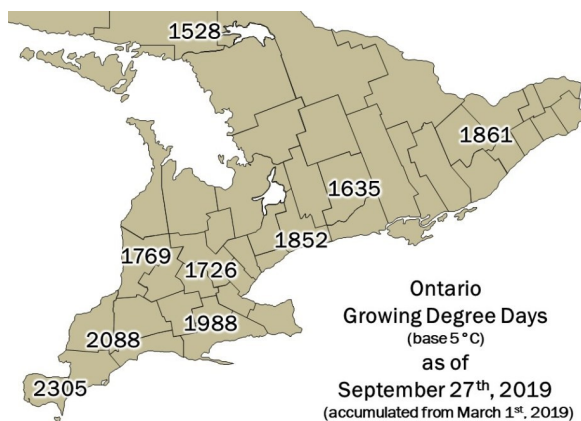
Elaine Roddy, Ridgetown
519 674 1616
elaine.rodny@ontario.ca

Dennis Van Dyk, Guelph
519 826 4587
dennis.vandyk@ontario.ca

Travis Cranmer, Guelph
519 826 4963
travis.cranmer@ontario.ca

Amanda Tracey, Ridgetown
519 674 1699
Amanda.Tracey@ontario.ca

VCR – Vegetable Crop Report – October 10, 2019



NOTE: Degree Day data as of September 27, 2019.

This will be the final week for the 2019 edition of the VCR. Thank-you to all who followed along this year!

Did you find the VCR helpful this growing season? Please let us know with a brief survey!

“In This Issue”

- ♦ VCR – Vegetable Crop Report – October 10, 2019

1. Please describe yourself *

Commercial Vegetable Grower

Market Gardener

Home Gardener

Industry

Academia

Media

Other

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2. If "Other" in question 1, please specify

3. Did you find the VCR helpful, and should it continue in 2020? *

Yes

No

4. Are there any changes or improvements that you would suggest for the VCR? *

Temperature – Harvest continues to be underway for remaining vegetable crops fields across the province. Cooler, seasonal temperatures have been seen in all growing regions with small localized patches of frost reported in some low lying areas. Continue to monitor weather conditions and take appropriate measures to protect crops still in the field from frost damage where possible.

Rainfall – September precipitation varied across the province. Continue (when possible) to avoid entering fields which are still wet from precipitation events or morning dew, especially in fields which may be a few a couple of weeks from harvest in the southern portions of the province. This will help to avoid the potential spread of pathogens from plant to plant in the field. Harvesting equipment should be cleansed between the harvesting of fields to avoid the spread of soil-borne pathogens.

Crop Updates

Brassica Crops – Harvest continues though out Ontario and the warm weather over the last two weeks has allowed many head brassicas to mature. Flea beetles continue to be a major pest in most areas. Alternaria and bacterial head rot has been a problem for some broccoli and cauliflower plantings. A clubroot pathotype study is underway; if you have Brassicas with clubroot and are interested in determining what pathotype of clubroot is present, E-mail travis.cranmer@ontario.ca for more information. Are you interested in pest and pathogen identification training? Save the date for the spring Brassica IPM workshop – Thursday, April 30th, 2020 at 1 Stone Road in Guelph. A registration announcement will be posted on the ONvegetables blog in early 2020.

Carrots – It was a great year for carrots as most fields look good above and below ground. Anecdotally cavity spot incidence was up this year, likely from the wet spring we experienced in most regions.

Celery – Harvest is underway but overall it has been a decent growing season for celery. While there are multiple pathogens present causing celery leaf curl and other diseases, in general the disease incidence is low relative to other years. There is a celery IPM session planned for May 7th, 2020 at 1 Stone Road in Guelph. This workshop will cover scouting for pest and pathogens of celery along with carrots and onions. A registration announcement will be posted on the ONvegetables blog in early 2020.

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Garlic – Garlic planting has started across SW Ontario for the 2020 crop. If you are purchasing planting stock, it is extremely important that you ensure that what you are planting is free of bulb and stem nematode. Even cloves with an intact basal plate and no observable damage may have nematodes present. The UofG Pest Diagnostic Clinic in Guelph as well as A&L labs in London conduct nematode testing. There will be another full day workshop in Guelph on December 4th from 9-4:30 that will cover every part of garlic production including clean seed, cultivar selection, seeding density, nutrient testing, scape removal, weed control, crop insurance, harvesting, grading, storing as well as scouting/pest management. If there is time at the end of the workshop we will go over a cost of production spreadsheet. To register, call the Agriculture Information Contact Centre at 1 877-424-1300. The level of thrips has reached the spray threshold in most areas. Downy mildew was confirmed in Ontario transplant onions a few weeks ago; but conditions have not been favourable for sporulation and infection in the major onion growing regions. Conditions were favourable for pink root and onion smut development this year and will impact the yield in many fields come harvest.

Onions – Harvest continues for dry bulb onions. Sporulation and infection may have been conducive for downy mildew in the Holland Marsh which has potential to damage late plantings of green onions. The level of Stemphylium leaf blight development seemed to be less than last year and the level of thrips this year was low in most areas. The level of pink root and onion smut seemed to be higher this year but overall yield and quality seems to be good across the province. There is a onion IPM session planned for May 7th, 2020 at 1 Stone Road in Guelph. This workshop will cover scouting for pest and pathogens of onions along with carrots and celery. A registration announcement will be posted on the ONvegetables blog in early 2020.

Peppers – Many processing and fresh market peppers are staying in the ground until frost, with hand harvesting continuing until then. Overall, the season seemed good for peppers. As of October 10, 2019, there have not been any pepper weevil caught on outdoor traps in Ontario.

Potatoes – Harvest continues at full speed with most growers on-schedule and storages filling fast. Overall quality looks great with yields variable across the board. Many non-irrigated fields just didn't get enough rain during bulking to fulfill their potential while some irrigated fields and fields that caught the later rains bulked up nicely. We've seen a slight increase in scab incidence likely from the dry weather we experience during tuber initiation. Growers did an excellent job controlling late blight this season as there were no outbreaks, even with some stretches of susceptible weather later in the season

Tomatoes – Processing tomatoes are wrapping up harvest within the next week or so and fresh market tomatoes will continue until frost. Yields look average compared to other years, though there was a lot of variability between growers and varieties. Bacterial disease was a struggle in both the spring and late summer for many growers, due to the wet conditions.

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NOTE: Data as of September 27, 2019

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*	2674	2488	1957	1629	1177	2130	2488	1470
Chatham-Kent*	2451	2266	1748	1425	937	1916	2266	1274
Norfolk**	2340	2161	1654	1339	855	1819	2161	1191
Huron***	2108	1936	1453	1154	703	1607	1936	1013
Wellington**	2061	1892	1411	1117	671	1565	1892	980
Simcoe County***	2147	1976	1490	1191	739	1646	1976	1051
Durham***	2189	2019	1537	1245	789	1692	2019	1105
Peterborough	1972	1801	1315	1016	580	1472	1801	879
Kemptville***	2200	2028	1542	1237	771	1700	2028	1089
Sudbury***	1837	1680	1239	969	557	1380	1680	842

*- 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/2019/10/10/vcr-20/#essex>)

Chatham-Kent County(<https://onvegetables.com/2019/10/10/vcr-20/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2019/10/10/vcr-20/#norfolk>)

Wellington County(<https://onvegetables.com/2019/10/10/vcr-20/#wellington>)

Simcoe County(<https://onvegetables.com/2019/10/10/vcr-20/#simcoe>)

Durham County(<https://onvegetables.com/2019/10/10/vcr-20/#durham>)

Peterborough(<https://onvegetables.com/2019/10/10/vcr-20/#peterborough>)

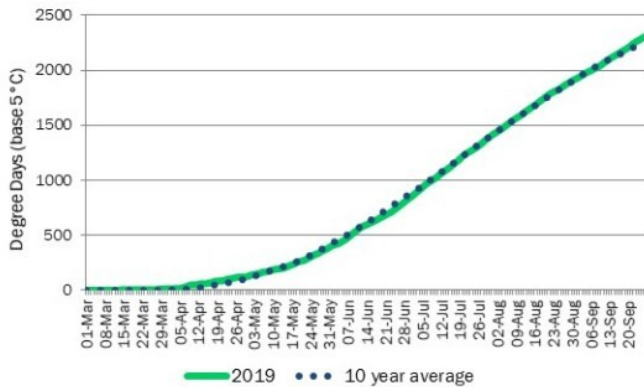
Kemptville(<https://onvegetables.com/2019/10/10/vcr-20/#kemptville>)

Sudbury(<https://onvegetables.com/2019/10/10/vcr-20/#sudbury>)

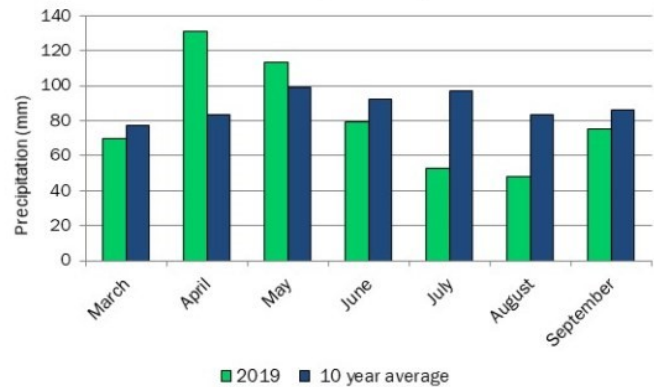
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Essex County

Essex Growing Degree Days

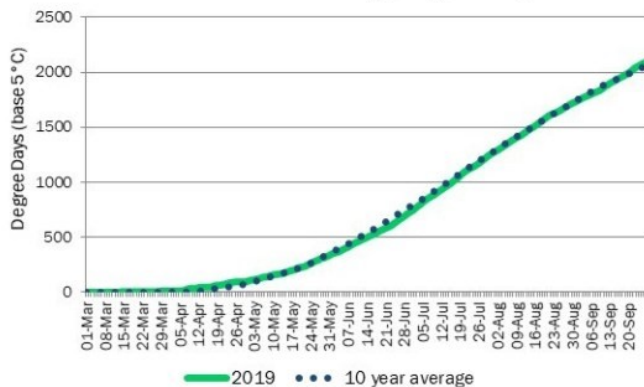


Essex Total Precipitation per Month

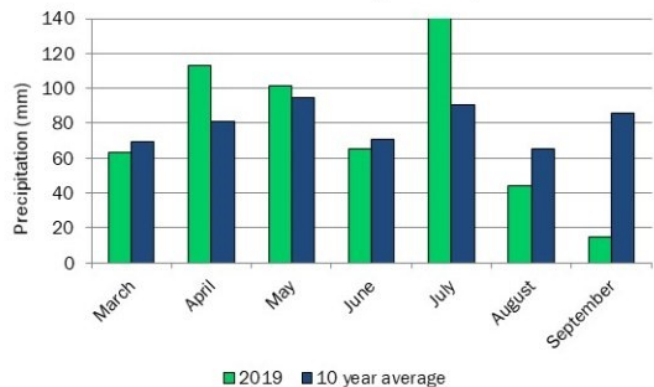


Chatham-Kent County

Chatham-Kent Growing Degree Days



Chatham-Kent Total Precipitation per Month

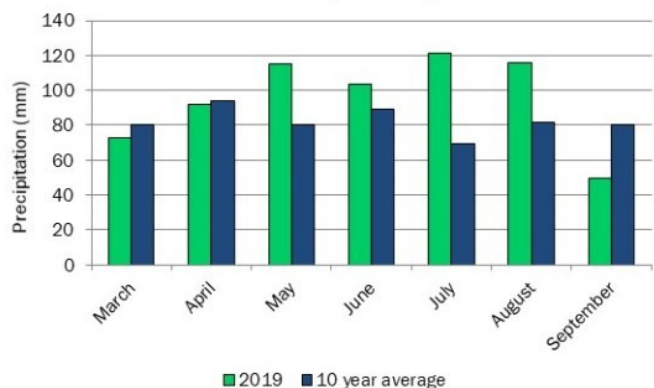


Norfolk County

Norfolk Growing Degree Days



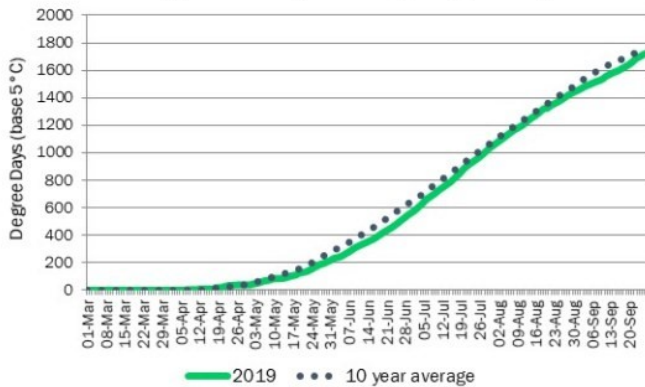
Norfolk Total Precipitation per Month



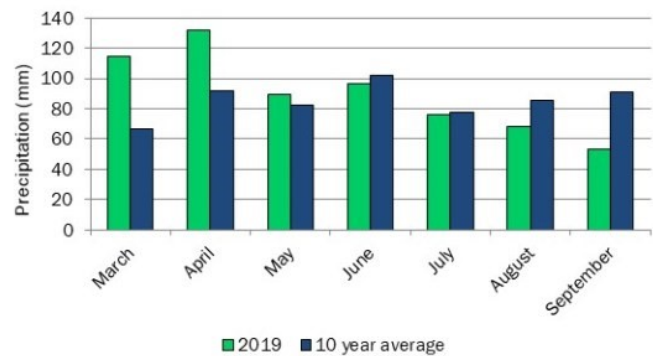
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Wellington County

Wellington County Growing Degree Days

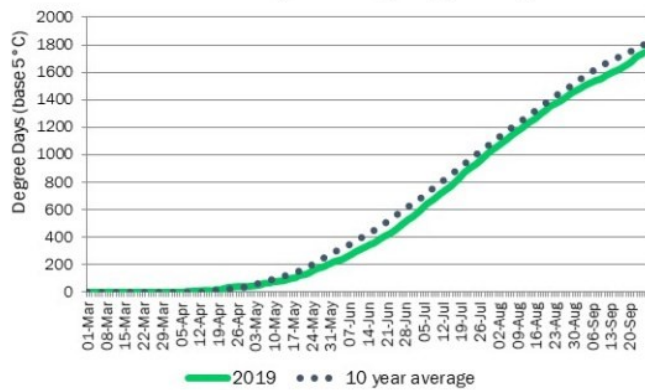


Wellington County Total Precipitation per Month

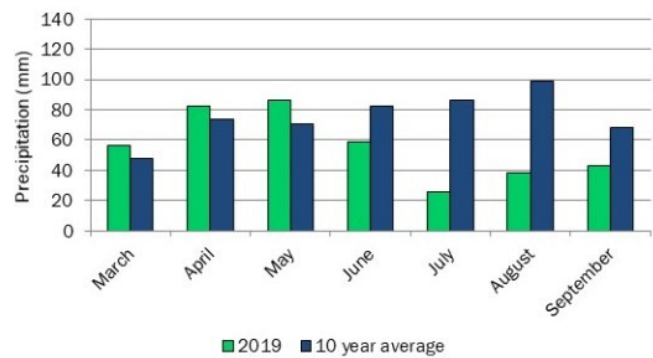


Simcoe County

Simcoe County Growing Degree days

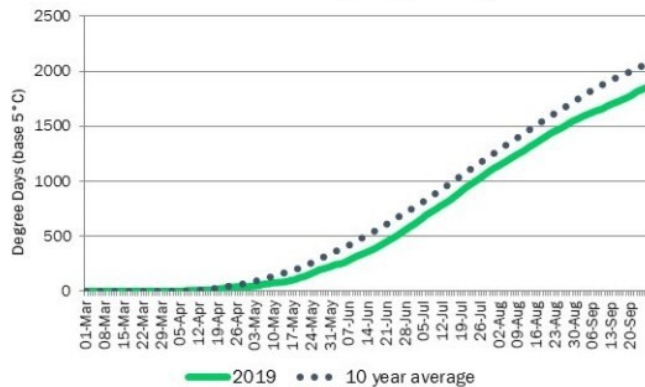


Simcoe County Total Precipitation per Month

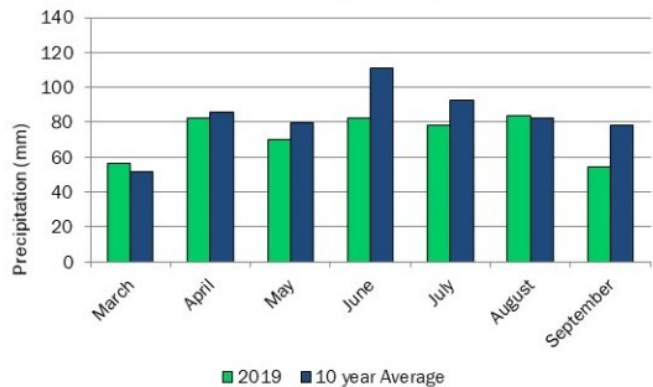


Durham County

Durham Growing Degree Days



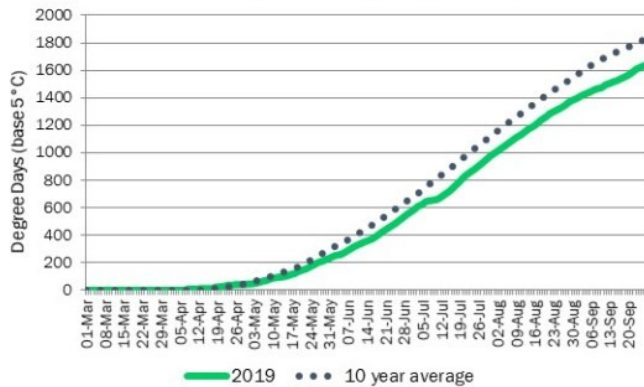
Durham Total Precipitation per Month



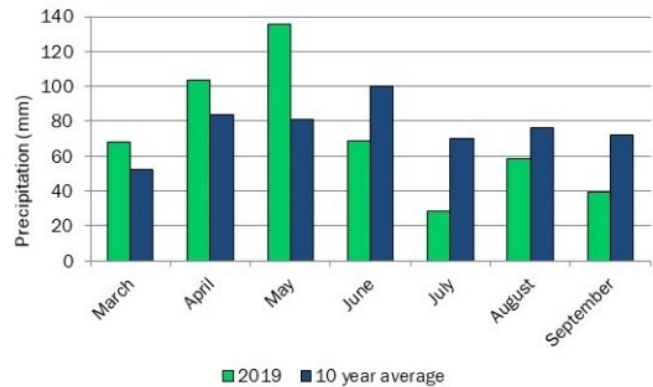
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Peterborough

Peterborough Growing Degree Days

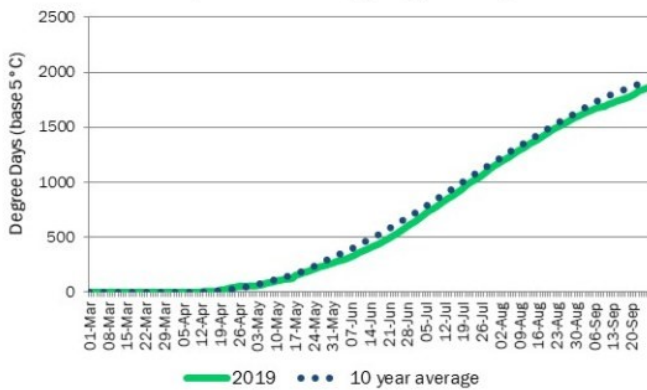


Peterborough Total Precipitation per Month

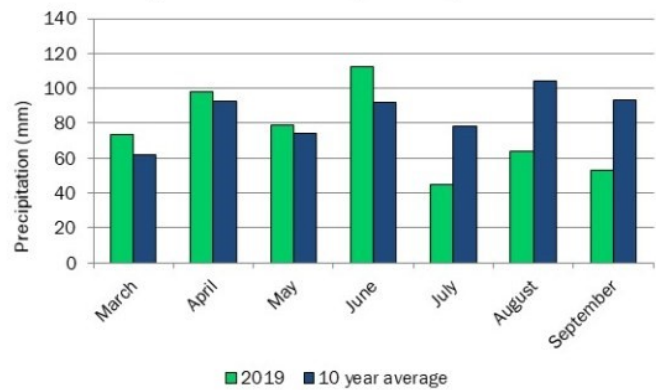


Kemptville

Kemptville Growing Degree Days

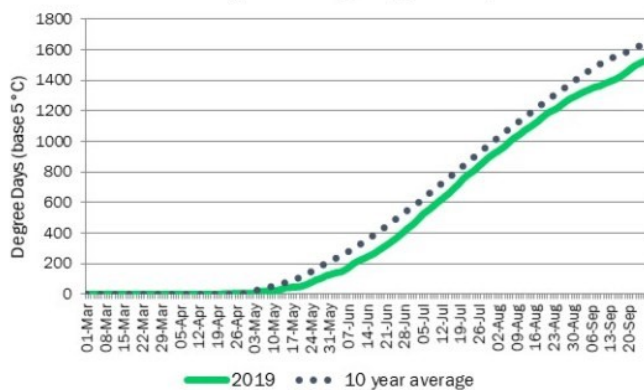


Kemptville Total Precipitation per Month



Sudbury

Sudbury Growing Degree Days



Sudbury Total Precipitation per Month

