



Tuesday, May 05, 2020

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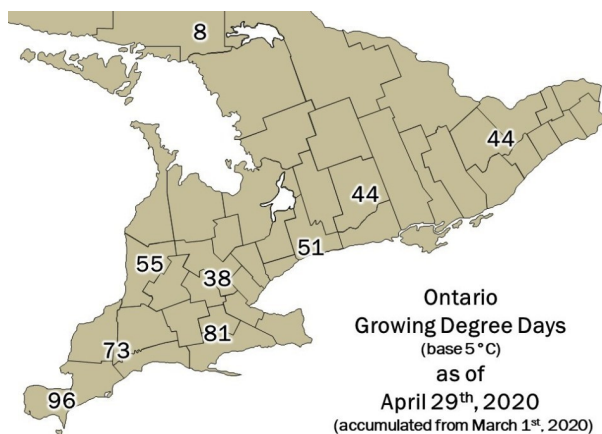
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VCR – Vegetable Crop Report – May 1, 2020

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.



The Vegetable Crop Report is back for another season! We hope everyone is staying safe, and your field seasons are off to a good start despite everything that is going on.

“In This Issue”

- ♦ VCR – Vegetable Crop Report – May 1, 2020

Temperature – Growing Degree Day values are lagging behind 10-year averages across all growing regions in the province due to the cooler temperatures we’ve experienced so far this year. Warmer temperatures expected to arrive in this upcoming week should help bring all regions closer to their respective averages. Temperatures have not yet been warm enough to trigger pest forecasting thresholds for any regions (a possible exception being leek moth emergence in some southern portions of the province). Degree day data for each region is shown below.

Rainfall – Most regions received above average rainfall in March but well below their respective average rainfall totals for April this year. Simcoe and Peterborough being the exceptions which received below average rainfall in both March and April. Precipitation data for each region is shown below.

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Crop Updates

Asparagus – Cooler weather has kept emergence slow.

Brassica Crops – A portion of head brassica acreage has been transplanted over the last week in warmer areas of the province and dryer areas have required irrigation after transplanting. Register now(<https://onvegetables.com/2020/04/17/ipm-2/#brassica>) for the online Brassica IPM Scouting Workshop next Thursday, May 7th. The main focus will be on identifying the differences between different insect pests and pathogens of Brassica crops.

Celery – Register now(<https://onvegetables.com/2020/04/17/ipm-2/#carrot>) to attend the online Carrot and Celery IPM Scouting Workshop scheduled for next Tuesday, May 12th.

Cucurbit Crops – The earliest planting date for the warmest area of Ontario tends to be around May 10, Register now(<https://onvegetables.com/2020/04/17/ipm-2/#cucurbit>) for the online Cucurbit IPM Scouting workshop for Thursday, May 20th.

Garlic – The emergence rate across the province has been high. Warmer weather in March caused plants to jump ahead in growth and colder periods in April, including several hard frosts, has caused some plants to show tip burn on older leaves. If the plan is to add more fertilizer this season, the sooner the better. Plants in many areas have reached the 5th leaf stage and the amount of nitrogen in applications should be reduced to avoid rough bulbs at harvest. Now is the time to set up leek moth traps as adult moths emerge from overwintering sites and are looking for a place to lay eggs once the night temperature remain above 9.5°C for two consecutive nights. If your garlic already shows leaf damage due to an insect, please send photos to travis.cranmer@ontario.ca.

Onions – It has been cool and dry up until recently making direct seeded onions slow to germinate and transplants slow to establish. Once the flag leaf has emerged, count out 25 plants per row and put a stake or stick at each end and record the number of plants every few days. Count the number of plants over the next few weeks and monitor for damage due to maggot flies, damping-off or cold weather. Register now(<https://onvegetables.com/2020/04/17/ipm-2/#onion>) for the online Onion IPM Scouting workshop for Thursday, May 14th. Onion insect and pathogen scouting will be the focus of the webinar.

Rhubarb – Some frost damage has been observed on emerging leaves. Remove wilted stalks and monitor for secondary infection.

Sweet Corn, Beans and Peas – Planting is underway. Register now(<https://onvegetables.com/2020/04/17/ipm-2/#corn>) for the online Sweet Corn, Beans and Peas IPM Scouting workshop for Friday, May 15th.

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NOTE: Data as of April 29th, 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*	169	129	48	24	6	68	129	17
Chatham-Kent*	137	101	37	20	4	51	101	14
Norfolk**	146	111	37	18	4	54	111	12
Huron***	101	76	31	17	4	41	76	11
Wellington**	87	59	16	7	1	24	59	4
Simcoe County***	86	59	18	9	3	28	59	6
Durham***	105	77	22	9	2	33	77	6
Peterborough	92	65	21	9	3	30	65	6
Kemptville***	88	64	21	11	6	29	64	8
Sudbury***	24	14	2	0	0	4	14	0

*- 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/2020/05/01/2020vcr-1/#essex>)

Chatham-Kent County(<https://onvegetables.com/2020/05/01/2020vcr-1/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2020/05/01/2020vcr-1/#norfolk>)

Huron County(<https://onvegetables.com/2020/05/01/2020vcr-1/#Huron>)

Wellington County(<https://onvegetables.com/2020/05/01/2020vcr-1/#wellington>)

Simcoe County(<https://onvegetables.com/2020/05/01/2020vcr-1/#simcoe>)

Durham County(<https://onvegetables.com/2020/05/01/2020vcr-1/#durham>)

Peterborough(<https://onvegetables.com/2020/05/01/2020vcr-1/#peterborough>)

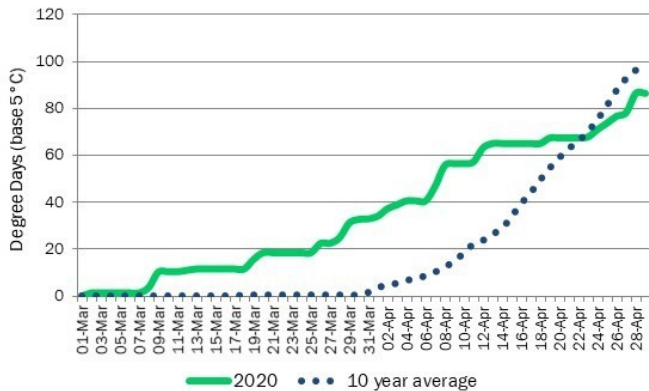
Kemptville(<https://onvegetables.com/2020/05/01/2020vcr-1/#kemptville>)

Sudbury(<https://onvegetables.com/2020/05/01/2020vcr-1/#sudbury>)

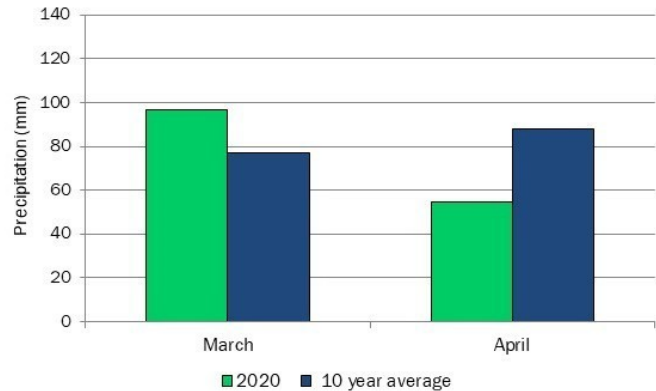
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Essex County

Essex Growing Degree Days

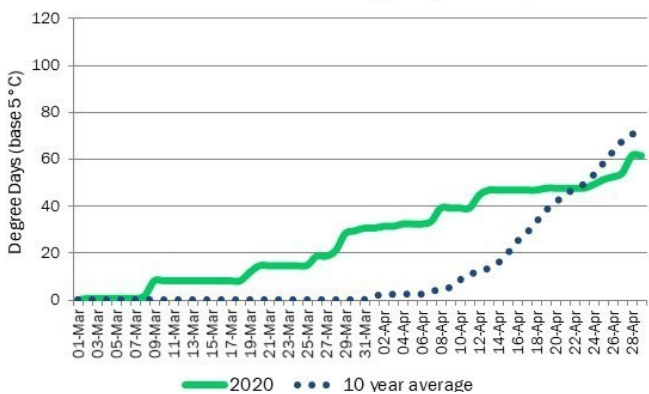


Essex Total Precipitation per Month

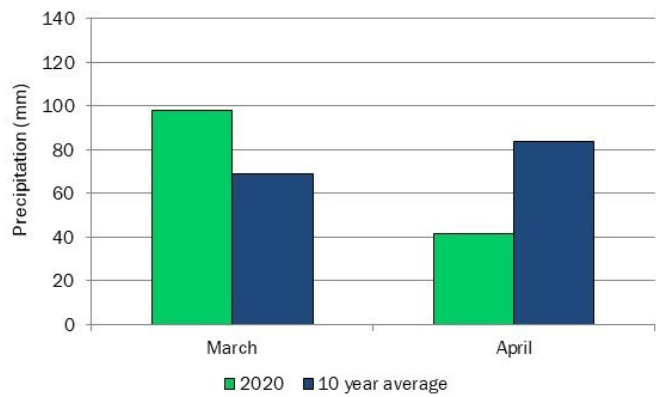


Chatham-Kent County

Chatham-Kent Growing Degree Days

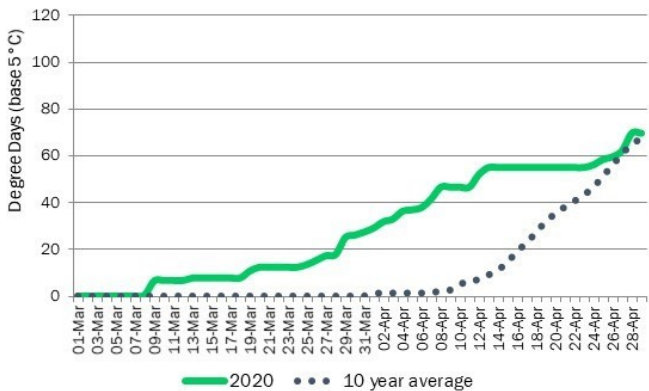


Chatham-Kent Total Precipitation per Month

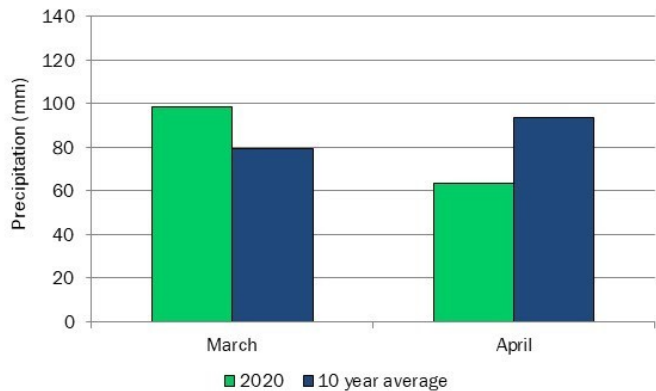


Norfolk County

Norfolk Growing Degree Days



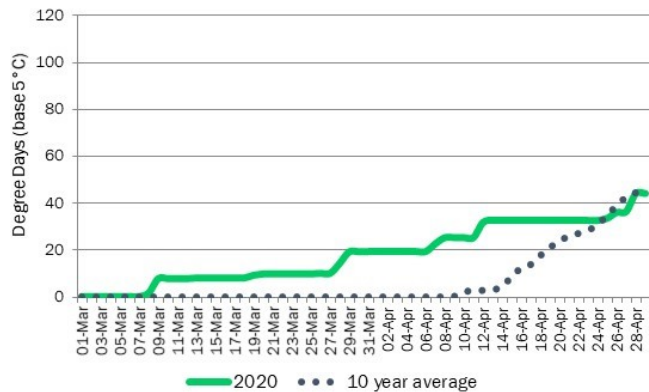
Norfolk Total Precipitation per Month



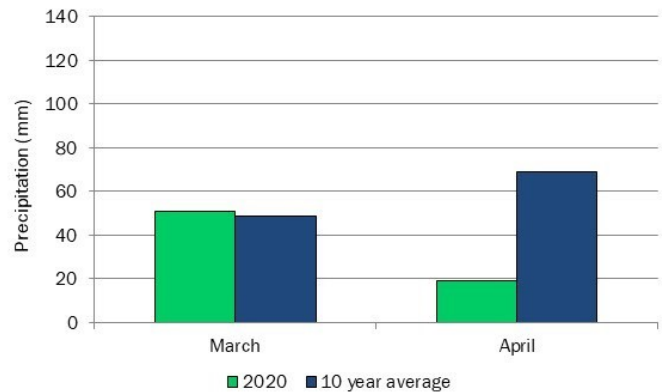
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Huron County

Huron County Growing Degree Days

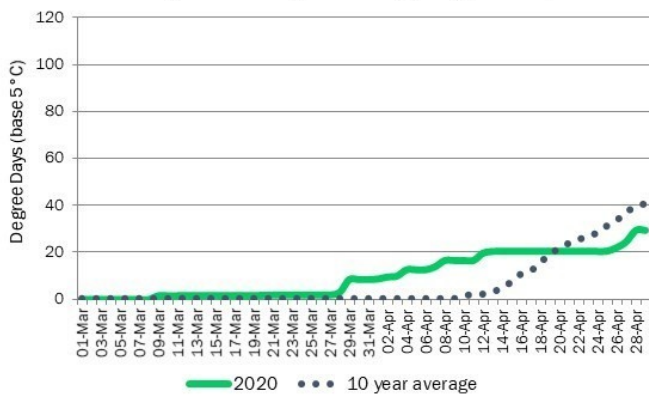


Huron County Total Precipitation per Month

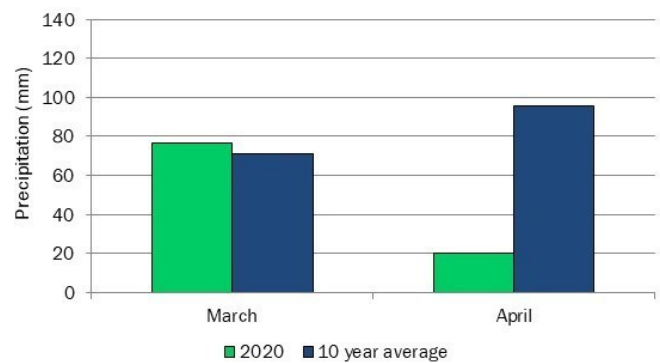


Wellington County

Wellington County Growing Degree Days

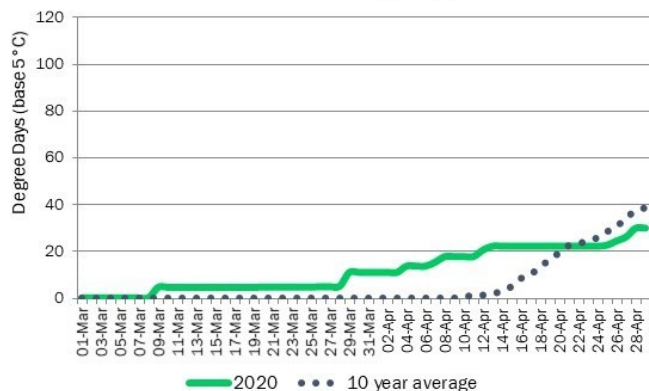


Wellington County Total Precipitation per Month

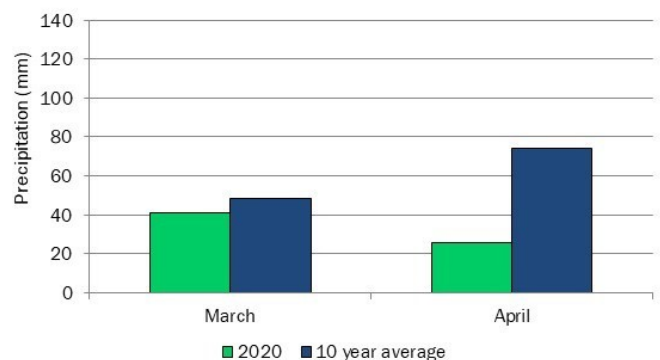


Simcoe County

Simcoe County Growing Degree days



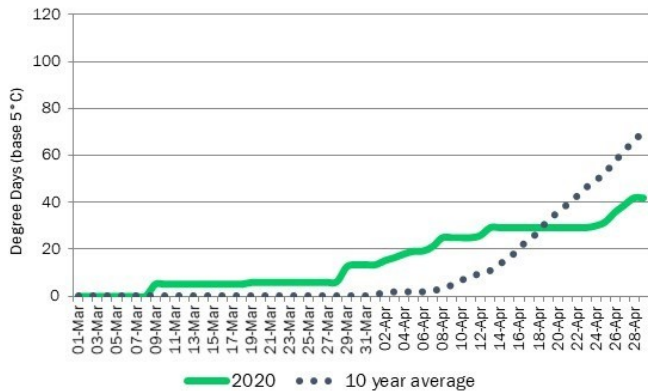
Simcoe County Total Precipitation per Month



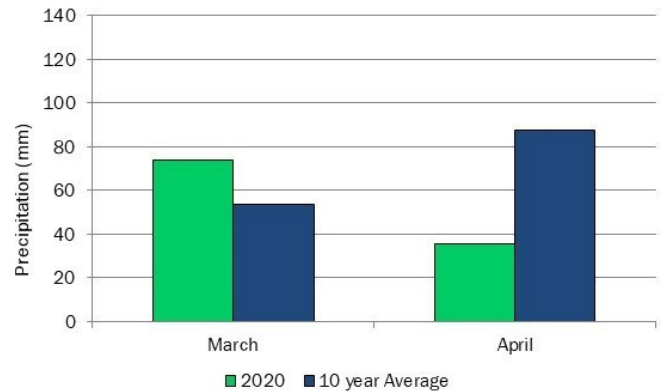
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Durham County

Durham Growing Degree Days

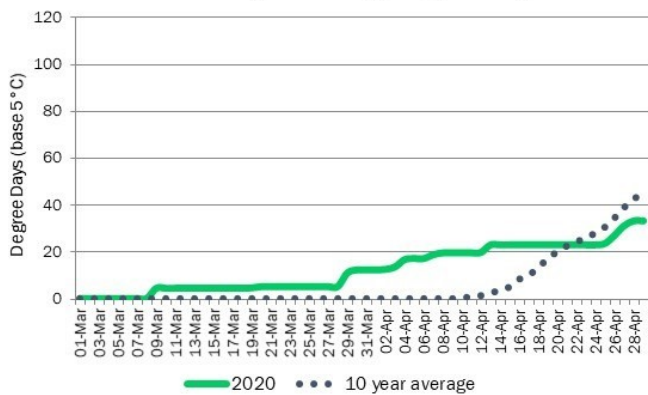


Durham Total Precipitation per Month

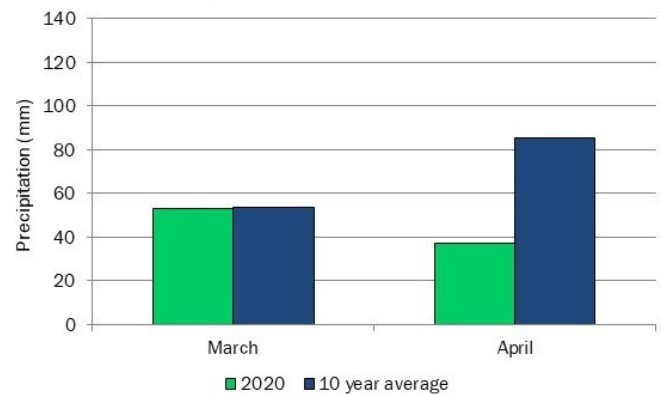


Peterborough

Peterborough Growing Degree Days

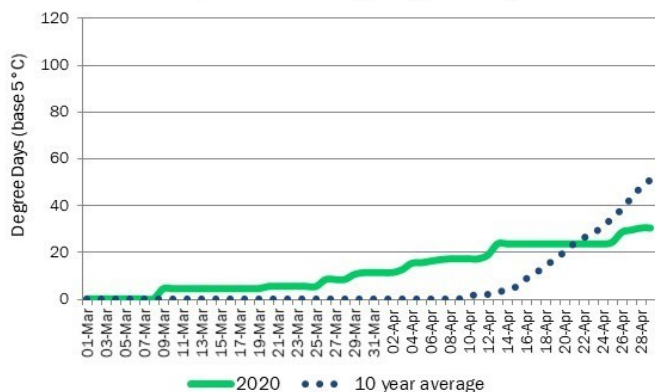


Peterborough Total Precipitation per Month

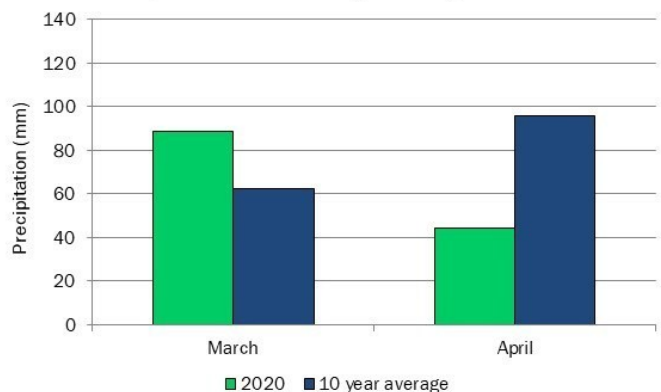


Kemptville

Kemptville Growing Degree Days



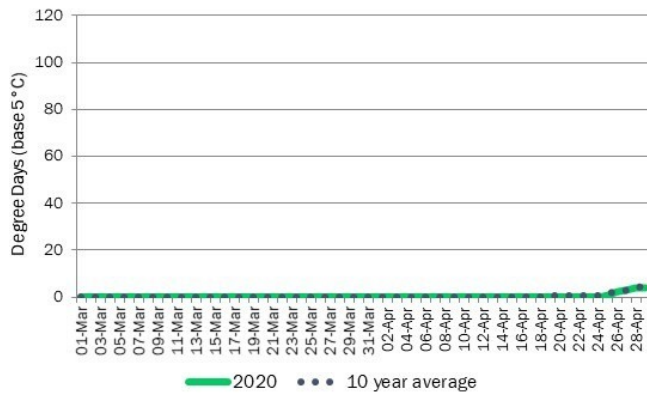
Kemptville Total Precipitation per Month



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Sudbury

Sudbury Growing Degree Days



Sudbury Total Precipitation per Month

