



Tuesday, June 18, 2019

## OMAFRA Vegetable Team:

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

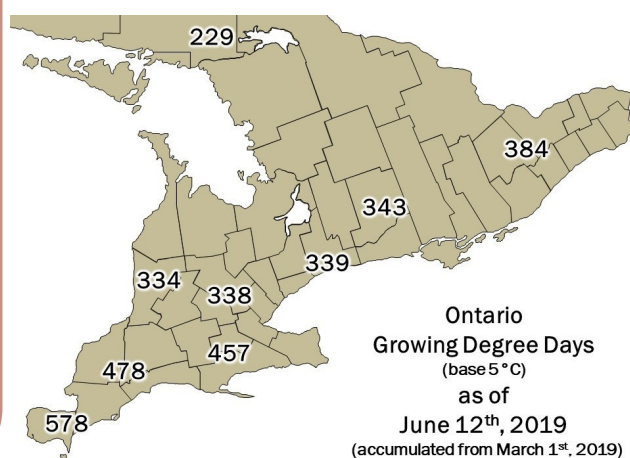
Dennis Van Dyk, Guelph  
519 826 4587  
dennis.vandyk@ontario.ca

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

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

## VCR – Vegetable Crop Report – June 13, 2019

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.



**Temperature** – The cool wet spring has continued to affect temperature and degree day accumulation in almost all of the growing regions of Ontario. Most of the counties are marginally to significantly behind their respective growing degree day averages of the previous 10 years with exception to Essex and Huron counties which are at average, and above average respectively. While some regions are now

receiving near average temperatures, the lack of sun, and late planting dates has slowed the growth and development of many crops in most planted areas.

**Rainfall** – A drier weekend in most regions allowed entry to plant some fields, however in most counties planting is still underway. Regular rainfall has continued every few days and pushed Essex, Kemptville, and Sudbury to the half way point of their 10-year averages for the month of June. The remaining regions have received between a quarter and third of their respective 10-year average rainfall amounts for this month.

### Crop Updates

**Brassica Crops** – Early planted transplants are establishing well and flea beetles have been active in some fields. Diamondback moths as they are now active and the degree day threshold for cabbage maggot emergence has been reached in Essex, Chatham-Kent, Norfolk and Kemptville. Scout for tarnished plant bugs, cabbageworms, aphids and thrips.

## “In This Issue”

- ♦ VCR – Vegetable Crop Report – June 13, 2019

## VCR – Vegetable Crop Report – June 13, 2019...con't

**Carrot** – Weevils are active and laying eggs in most regions of the province. Monitor for adults to see if your fields have reached the spray threshold. Read about the latest in carrot weevil control in this post – Update on Carrot Weevil Control(<https://onvegetables.com/2019/04/09/update-on-carrot-weevil-research-from-the-university-of-guelph/>).

**Celery** – Earliest transplants are establishing well given they are not sitting in water. Scout for tarnished plant bugs and carrot weevils as they will be likely emerging and present around field borders. The degree day threshold for aster leafhoppers and tarnished plant bugs has been reached in all counties except for Sudbury.

**Garlic** – Scaping of hardneck varieties will be commencing over the next two weeks. Avoid using sickle bars mowers to cut the scapes, as they often cut leaves that will reduce the yield potential, as well as spread pathogens between plants. Better yields have resulted when the scape is snapped an inch above the youngest leaf. Pulling scapes instead of snapping can cause the upper leaves to lose support and fall over causing pre-mature senescence. Avoid applying any nitrogen past the 5<sup>th</sup> leaf stage as this has been found to cause 'rough' bulbs with cloves forming outside the main bulb wrapper. Adult leek moth trap counts are very low this week in most counties suggesting that we are between the two main flights.

**Onions** – The earliest seeded onions at the 3rd to 5th leaf stage however most fields are averaging around the 2nd leaf stage. The first generation of onion and seedcorn maggot flies are active in most areas and low levels of thrips and pink root have been found in transplants.

**Peppers** – Peppers are now about 55-60% in. Some cutworm damage is being seen.

**Potatoes** – Overwintering Colorado Potato Beetle adults are active, mating and laying eggs currently. Scout your fields, especially around the border to determine if your field is at threshold or if your seed-piece/in-furrow insecticide is effective. In order to monitor whether the CPB are becoming resistant to our registered insecticides, AAFC will be conducting a CPB resistance survey again this season. If you see any CPB populations in your potatoes, please contact Dennis (519-766-5337) and we can come and take a sample to be tested.

**Tomatoes** – About 95% of tomatoes are now in. Insect damage is down compared to levels seen a few weeks ago. Be on the lookout for wireworm and black cutworm damage, especially on sandier soils.

### Pest Degree Day Forecasting

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

Essex County(<https://onvegetables.com/2019/06/13/vcr-5/#essex>)

Chatham-Kent County(<https://onvegetables.com/2019/06/13/vcr-5/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2019/06/13/vcr-5/#norfolk>)

Huron County(<https://onvegetables.com/2019/06/13/vcr-5/#huron>)

Wellington County(<https://onvegetables.com/2019/06/13/vcr-5/#wellington>)

Simcoe County(<https://onvegetables.com/2019/06/13/vcr-5/#simcoe>)

Durham County(<https://onvegetables.com/2019/06/13/vcr-5/#durham>)

Peterborough(<https://onvegetables.com/2019/06/13/vcr-5/#peterborough>)

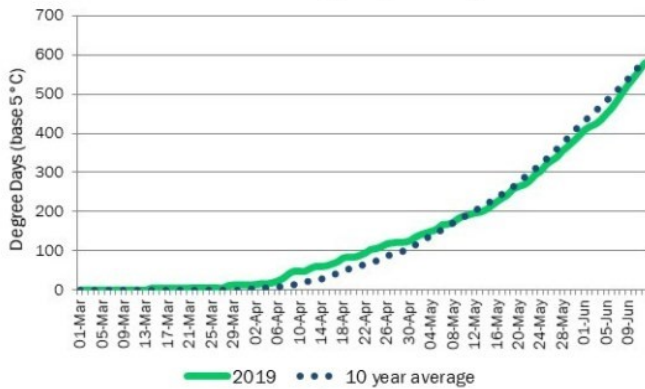
Kemptville(<https://onvegetables.com/2019/06/13/vcr-5/#kemptville>)

Sudbury(<https://onvegetables.com/2019/06/13/vcr-5/#sudbury>)

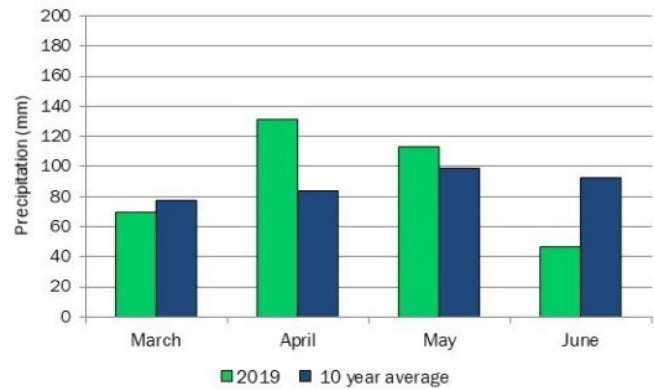
# VCR – Vegetable Crop Report – June 13, 2019...con't

## Essex County

Essex Growing Degree Days

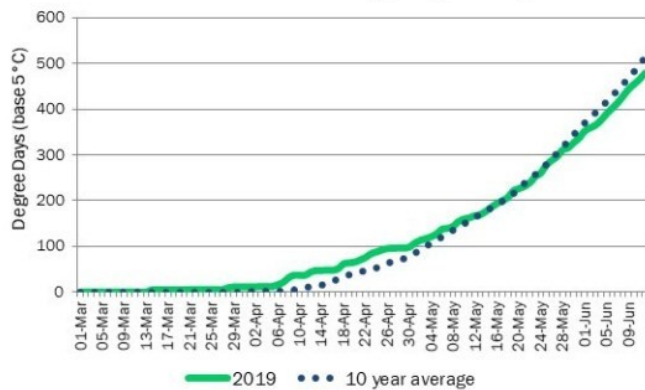


Essex Total Precipitation per Month

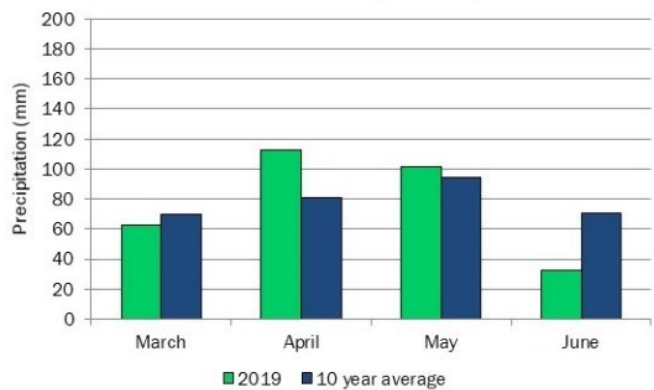


## Chatham-Kent County

Chatham-Kent Growing Degree Days

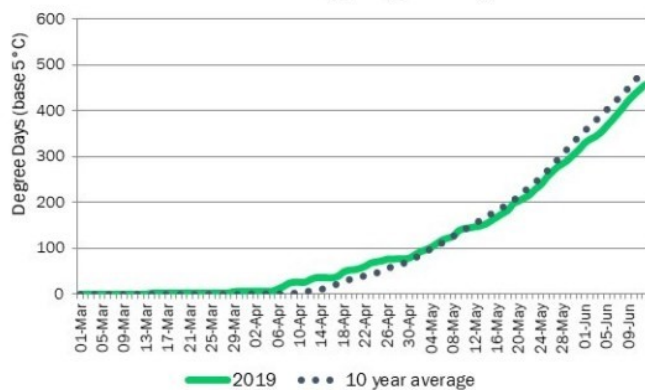


Chatham-Kent Total Precipitation per Month

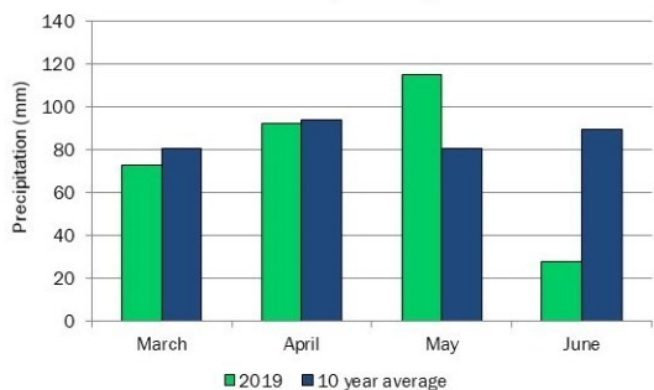


## Norfolk County

Norfolk Growing Degree Days



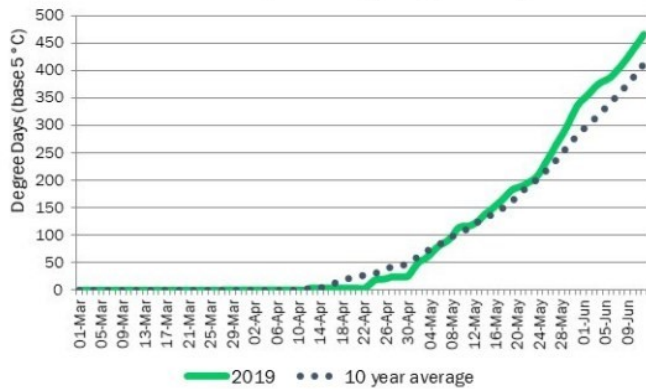
Norfolk Total Precipitation per Month



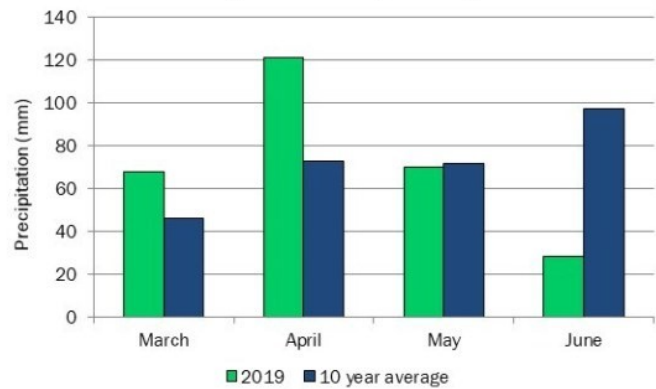
# VCR – Vegetable Crop Report – June 13, 2019...con't

## Huron County

Huron County Growing Degree Days



Huron County Total Precipitation per Month

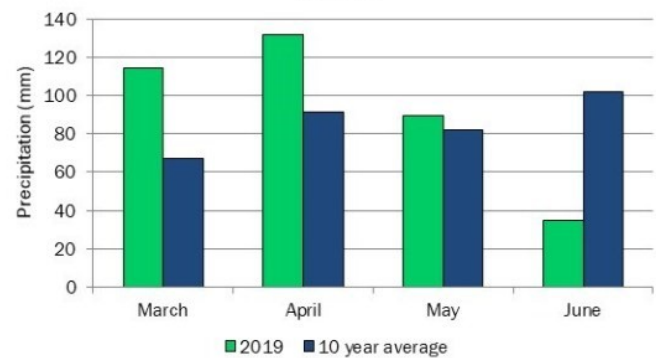


## Wellington County

Wellington County Growing Degree Days



Wellington County Total Precipitation per Month

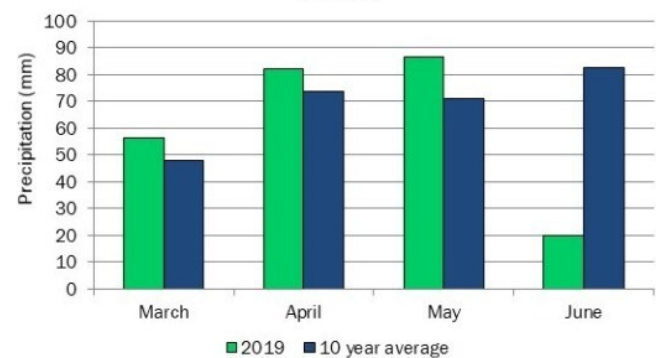


## Simcoe County

Simcoe County Growing Degree days



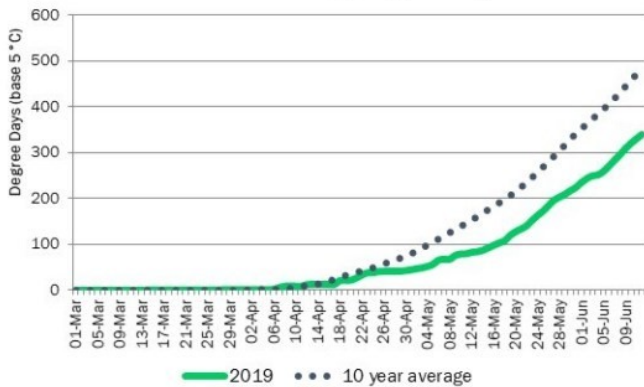
Simcoe County Total Precipitation per Month



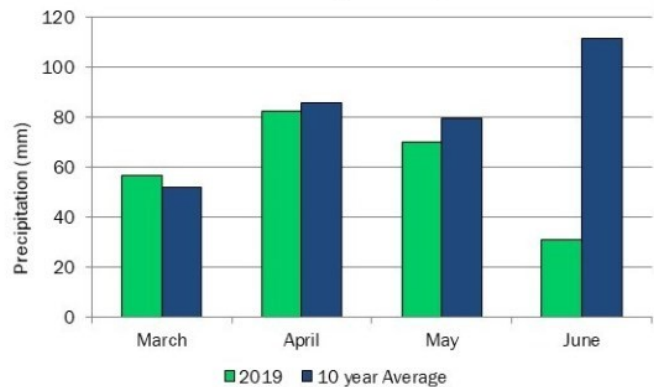
# VCR – Vegetable Crop Report – June 13, 2019...con't

## Durham County

**Durham Growing Degree Days**



**Durham Total Precipitation per Month**

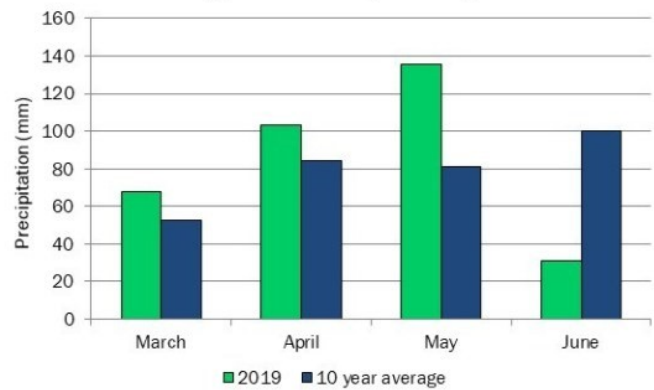


## Peterborough

**Peterborough Growing Degree Days**



**Peterborough Total Precipitation per Month**

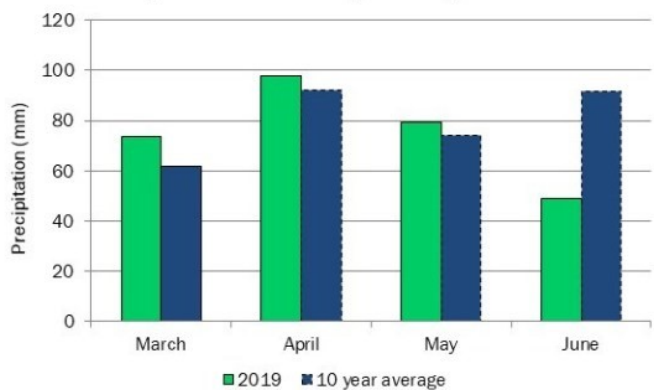


## Kemptville

**Kemptville Growing Degree Days**

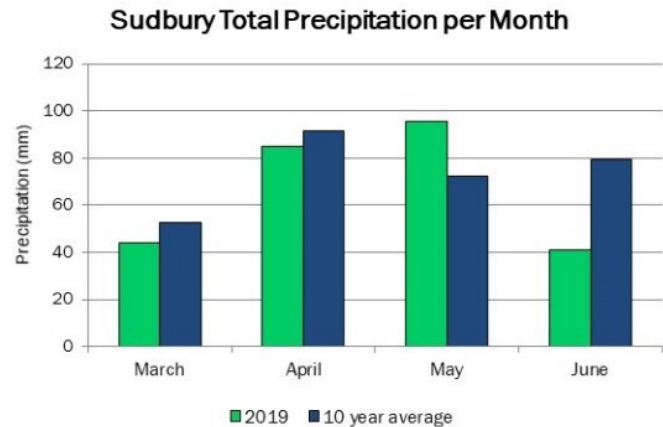
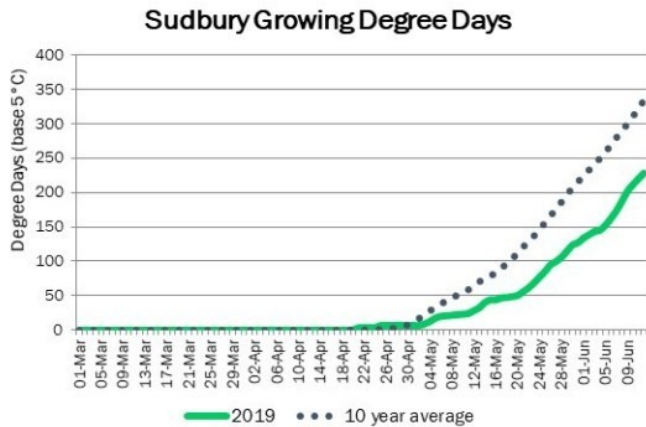


**Kemptville Total Precipitation per Month**



# VCR – Vegetable Crop Report – June 13, 2019...con't

## Sudbury



Pest	Carrot Rust Fly	Onion Maggot	Carrot Weevil	Aster Leafhopper	Tarnished Plant Bug	Cabbage Maggot	Seedcorn Maggot	European Corn Borer
<b>THRESHOLD</b>	329-395	210-700	138-156	128	40	314	200	See legend below
Essex	735	654	441	325	192	509	654	273*
Chatham-Kent	629	550	350	239	112	412	550	194*
Norfolk	599	525	333	228	101	393	525	185**
Huron	461	396	230	143	51	279	395	109***
Wellington	462	399	233	148	58	282	399	116**
Simcoe County	447	382	219	137	51	267	382	106***
Durham	464	399	236	156	60	284	399	122***
Peterborough	469	403	236	145	49	286	403	111***
Kemptville	510	445	277	184	71	328	445	141***
Sudbury	326	276	153	94	31	187	276	71***

\*- 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

## Thresholds

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