



Monday, May 31, 2021

### OMAFRA Vegetable Team:

Travis Cranmer, Guelph  
519-835-3382  
travis.cranmer@ontario.ca

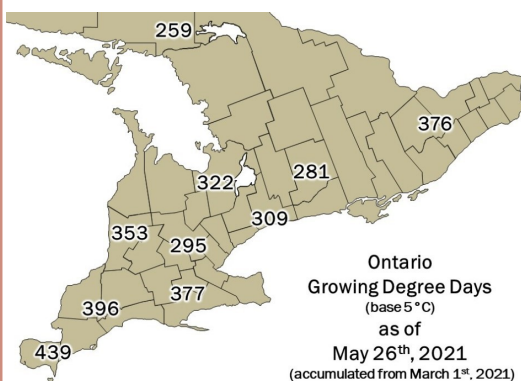
Dennis Van Dyk, Guelph  
519-766-5337  
dennis.vandyk@ontario.ca

Elaine Roddy, Ridgetown  
519-401-5890  
elaine.rodry@ontario.ca

Amanda Tracey, Ridgetown  
519-350-7134  
amanda.tracey@ontario.ca

## VCR – Vegetable Crop Report – May 27th, 2021

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** – Day temperatures are forecasted to range from mid-teens to low-twenties based on region.

Nighttime temperatures are forecasted to be in the high single digits to low teens for most regions. The Growing Degree Day values have continued to increase faster than the previous 10-year averages, especially in the past week. Degree Day data for each region is shown below.

**Rainfall** – The forecast mostly sunny or partly cloudy for a majority of regions until Wednesday, June 2nd. Wrapping up with May, there has been very little rain in most regions, with most being behind by over 30mm. Precipitation data for each region is shown below.

### Crop Updates

**Brassicas** – Head brassicas are establishing well. Imported Imported cabbageworms, flea beetles and even diamondback moths are active. Observe the roots of wilted transplants and look for wireworms or cutworm larvae. Check stunted plants for wirestem. Seedcorn maggot has reached the threshold for first generation emergence and cabbage maggot will be emerging soon in most regions across the province and is likely already active in Essex and Chatham-Kent.



Brassica transplant with cutworm damage

### “In This Issue”

- ♦ VCR – Vegetable Crop Report – May 27th, 2021

## VCR – Vegetable Crop Report – May 27th, 2021...con't



Brassica transplant with constricting of the stem above the soil line due to wirestem Rhizoctonia

**Celery** – Transplants are establishing well, and most fields have been planted across Southwestern Ontario. The threshold for aster leafhopper has been reached in Essex, Chatham-Kent, Norfolk, Huron, Wellington, Simcoe, Durham, Peterborough, Kemptville, Sudbury and every county has had enough growing degree days for tarnished plant bug.

**Garlic** – The most advanced plants have 9 leaves, but the majority have 6 across the province. Plants in warmer areas, such as Essex are starting to scape which is early for May. Leek moth trap counts are low in areas where the moth has established.



Garlic scapes emerging in Exeter – Dennis Meleg

**Onions** – Seeding and transplant onion planting is mostly complete across the province. Seeded onions are growing slowly in areas without adequate moisture and are anywhere from the flag to 1st leaf stage while most fields are past the first leaf stage. Transplants have established well in fields that have received adequate levels of moisture. Both onion and seedcorn maggot flies are active across most regions. If wilting is observed, dig up the roots and look for larvae of maggot flies, or wireworms to confirm the insect that caused the damage.



Onion Maggot on a blue sticky card.

**Carrots** – Dry conditions continue in most areas of the province with the majority of the carrots now seeded. Irrigation is ongoing and might be needed to ensure consistent germination this season.

**Potatoes** – With the bulk of potato planting wrapped up, we could use a little bit of rain. Many fields have adequate moisture below but the top is quite dry. Don't be surprised with reduced activity from pre-emergent herbicides this year unless you can irrigate them or we receive some rain to activate them. Keep an eye out for emergence issues.



# VCR – Vegetable Crop Report – May 27th, 2021...con't

## Pest Degree Day Forecasting

\*NOTE: Data as of May 26th, 2021

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*	576	507	316	224	130	374	507	188
Chatham-Kent*	523	457	290	208	107	340	457	174
Norfolk**	500	436	377	270	186	90	436	151
Huron***	466	408	353	266	194	102	408	163
Wellington**	414	354	300	211	141	64	354	112
Simcoe County***	443	380	322	226	152	72	380	122
Durham***	427	367	309	209	144	68	367	119
Peterborough	400	338	281	187	121	52	338	95
Kemptville***	500	438	376	266	180	85	438	146
Sudbury***	354	304	259	187	136	66	304	113

\*- 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/2021/05/28/vcr2021-2/#essex>)

Chatham-Kent County(<https://onvegetables.com/2021/05/28/vcr2021-2/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2021/05/28/vcr2021-2/#norfolk>)

Huron County(<https://onvegetables.com/2021/05/28/vcr2021-2/#Huron>)

Wellington County(<https://onvegetables.com/2021/05/28/vcr2021-2/#wellington>)

Simcoe County(<https://onvegetables.com/2021/05/28/vcr2021-2/#simcoe>)

Durham County(<https://onvegetables.com/2021/05/28/vcr2021-2/#durham>)

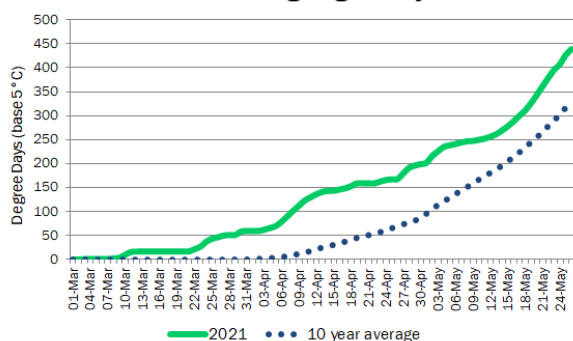
Peterborough(<https://onvegetables.com/2021/05/28/vcr2021-2/#peterborough>)

Kemptville(<https://onvegetables.com/2021/05/28/vcr2021-2/#kemptville>)

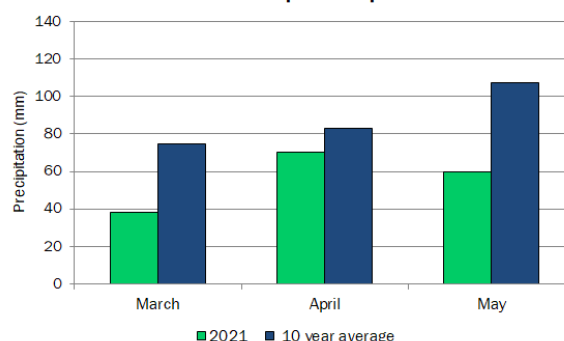
Sudbury(<https://onvegetables.com/2021/05/28/vcr2021-2/#sudbury>)

## Essex County

Essex Growing Degree Days

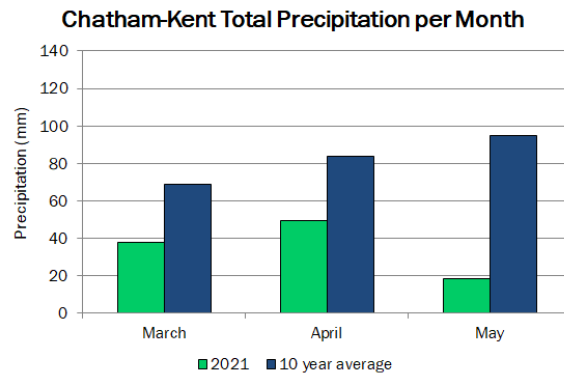
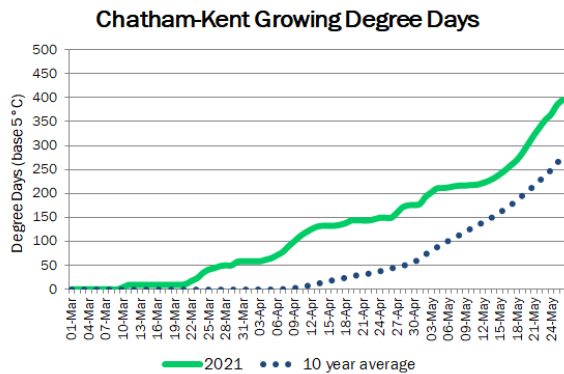


Essex Total Precipitation per Month

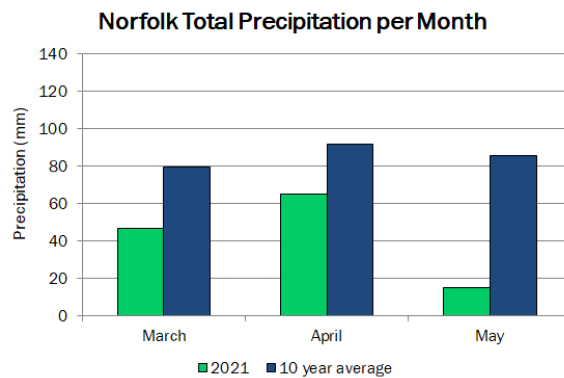
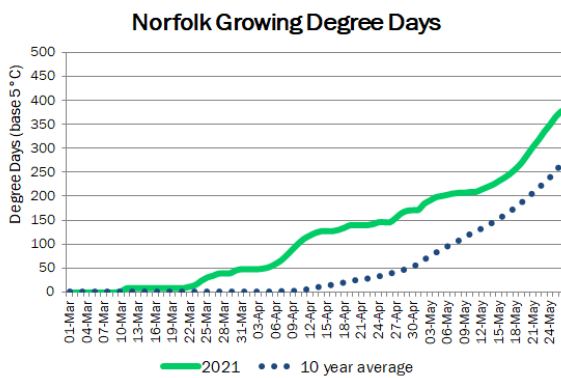


# VCR – Vegetable Crop Report – May 27th, 2021...con't

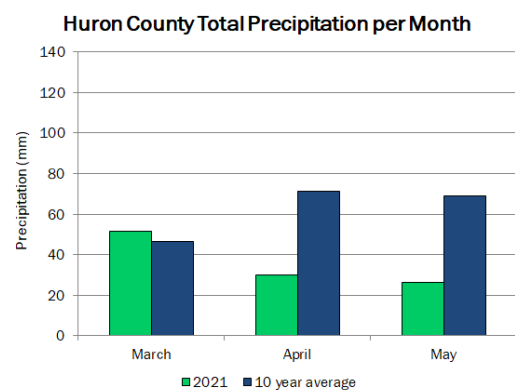
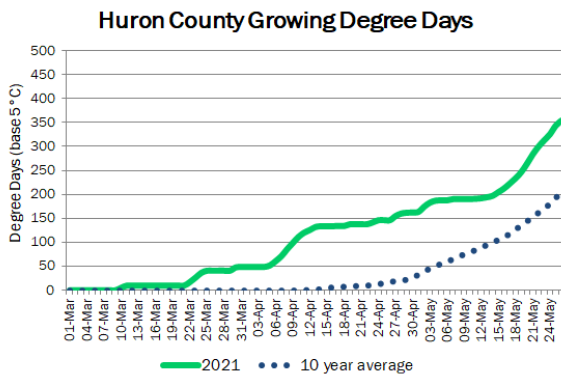
## Chatham-Kent County



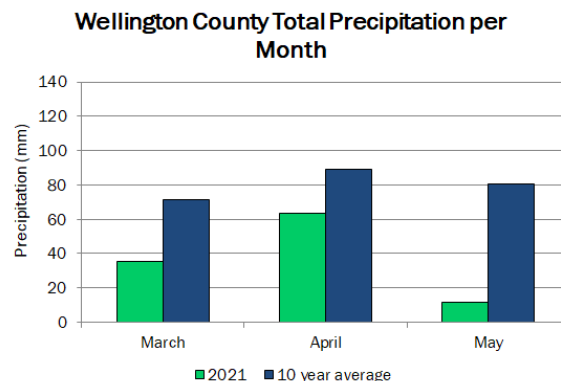
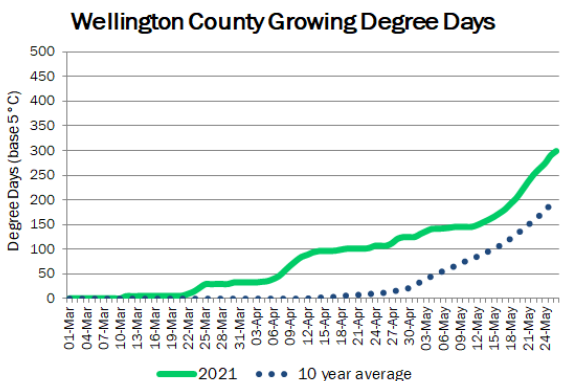
## Norfolk County



## Huron County



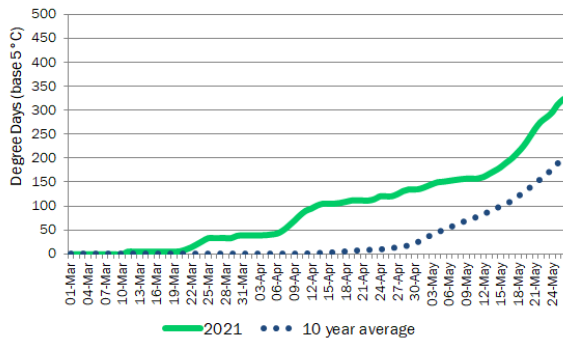
## Wellington County



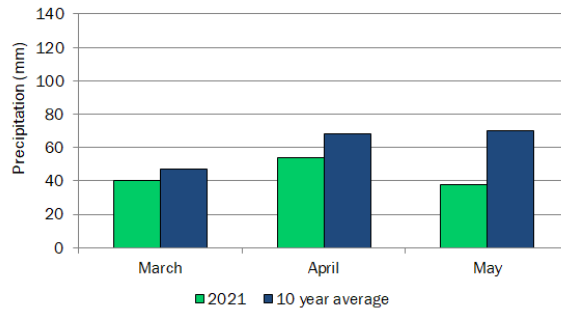
# VCR – Vegetable Crop Report – May 27th, 2021...con't

## Simcoe County

Simcoe County Growing Degree days

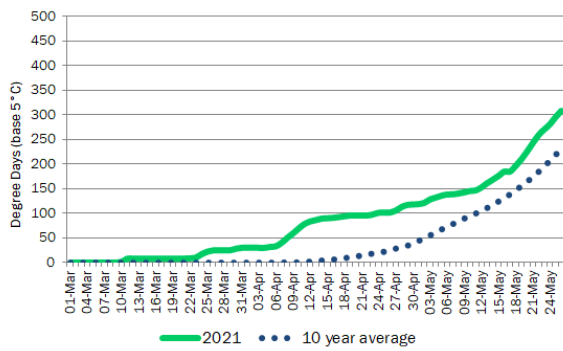


Simcoe County Total Precipitation per Month

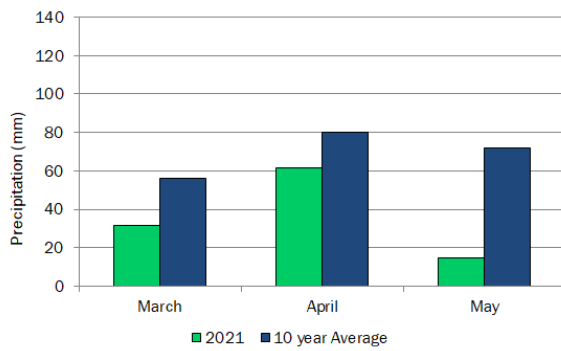


## Durham County

Durham Growing Degree Days

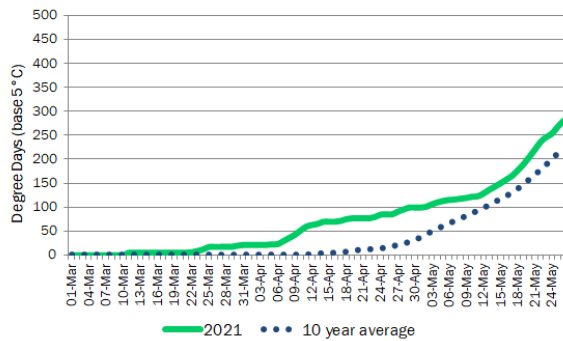


Durham Total Precipitation per Month

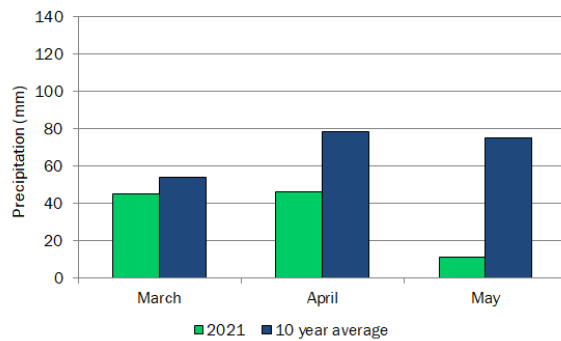


## Peterborough

Peterborough Growing Degree Days

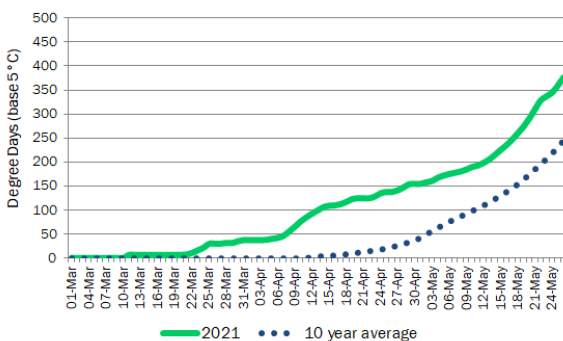


Peterborough Total Precipitation per Month

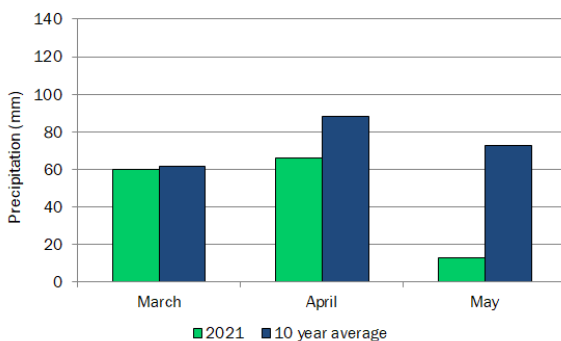


## Kemptville

Kemptville Growing Degree Days



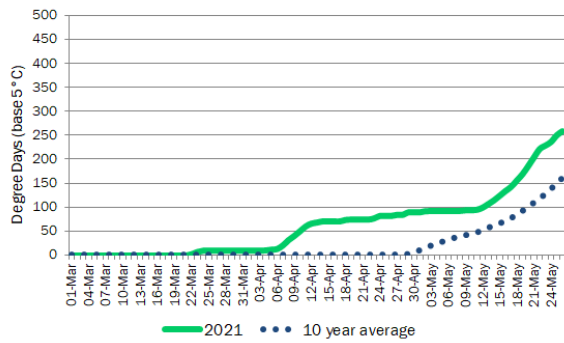
Kemptville Total Precipitation per Month



# VCR – Vegetable Crop Report – May 27th, 2021...con't

Sudbury

Sudbury Growing Degree Days



Sudbury Total Precipitation per Month

