



Tuesday, July 02, 2019

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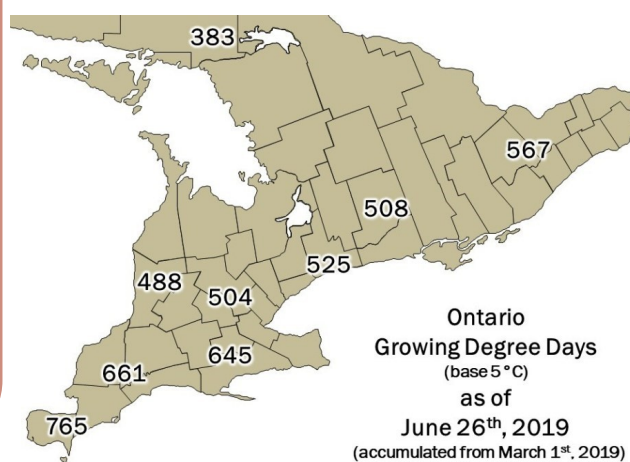
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VCR – Vegetable Crop Report – June 27, 2019

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 into the summer in all growing regions of Ontario with all counties marginally, to significantly behind their 10-year average degree day accumulations. While some regions are now receiving near average temperatures, late planting dates has slowed the growth and development of many crops in most planted areas compared to normal.

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- ♦ Cucumber Downy Mildew Update – June 28th, 2019
- ♦ Ridgetown Vegetable Open House – Thursday, August 1st, 2019

Rainfall – Rainfall has generally slowed in most regions again this week and planting in most regions is now near completion, or completed already. Kemptville and Norfolk county have exceeded their 10-year precipitation averages, while Chatham and Sudbury are quickly approaching their respective averages for June. The remaining growing regions range from significantly below, to marginally below their 10-year average rainfall totals for June.

Crop Updates

Brassica Crops – Crop conditions have been favourable for Alternaria in some areas. Depending on the Brassica, not all fungicides are labelled for use; see **Table 1** below for fungicides registered on different crop groups. Diamondback moths, imported cabbageworms, tarnished plant bugs and aphids are active. Cabbage maggot and flea beetle levels are high in several areas.

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Table 1. Fungicides for Alternaria

Listed pathogen control products are not necessarily registered on all brassica crops. This table is meant to only act as a guide. See the most up-to-date product label to ensure registration on a specific crop.

LEGEND: C = control
 S = suppression
 RD = Reduction in damage
 R = registered
 — = not registered for control of this pathogen
² = Alternaria/ Xanthomonas complex (pin rot)

Trade Name	Group	Control Level	Crop Group 5-13					Crop Group 4-13B						CG-1
			Broccoli	Cauliflower	Cabbage	Brussels sprouts	Napa cabbage	Mustard Greens	Chinese cabbage / Bok choy	Collards	Rapini / Broccoli raab	Mizuna	Kale	
Fontelis	7	C	R	R	R	R	R	R	R	R	R	R	R	—
Sercadis	7	S	R	R	R	R	R	R	R	R	R	R	R	R
Endura	7	C	R	R	R	R	R	R	R	R	R	R	R	—
Bravo ZN	M	C	R	R	R	R	—	—	—	—	—	—	—	—
Switch 62.5 WG	9/12	S	—	—	R	—	—	R	R	R	R	R	R	—
Quadris	11	S	—	—	R	—	—	—	—	—	—	—	—	—
Echo 90DF	M5	C	R	R	R	R	—	—	—	—	—	—	—	—
Quadris Top	11/3	S	R	R	R	R	R	R	R	R	R	R	R	—
Cease	44	S ²	R	R	R	R	R	R	R	R	R	R	R	—
Serenade Opti	44	S ²	R	R	R	R	R	R	R	R	R	R	R	—

Carrot – Carrot weevil activity should be winding down in the Southern part of the province.

Celery – Carrot weevils are active. On celery, carrot weevils leave scratch marks along the stalk that turn a yellow/orange colour as the wounds heal. The degree day threshold for aster leafhoppers and tarnished plant bugs has been reached in all growing regions.

Garlic – Many areas have finished scaping and many fields are showing leaf tips starting to senesce. Tip dieback is likely due to stress which could be from infrequent soil moisture, lack of or surplus of nutrients or root dieback. Continue to scout for leek moth by looking for damaged leaves and stems. The frass and chewed pieces of leaf looks can look like sawdust on the leaves. Leek moths have been found in low numbers this past week but we are likely close to the second peak flight.

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Onions – Direct seeded onions are at the 3rd to 6th leaf stage and transplants are up to 8 leaves in some areas. Stemphylium leaf blight has been detected in transplants and direct seeded onions and given the weather, keep scouting for Botrytis and downy mildew. Cutworm damage has been high in some fields and the level of thrips has been low thus far into the season. The second peak of onion maggot will be starting in many areas over the next couple of weeks.

Potatoes – We've seen potato leafhopper numbers jump in some fields. Be on the lookout for leafhoppers and symptoms of hopperburn (seen in the picture below). Overwintering Colorado Potato Beetle adults are active and laying eggs. Eggs are hatching and small larvae are being found in some fields. If you used a neonic at seeding, make sure you are using a different mode of action for any follow-up applications. If you are not seeing the control you usually do, please contact Dennis (519-766-5337) for free resistance testing.



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*	950	855	600	456	280	681	855	389
Chatham-Kent*	839	747	504	366	191	580	747	306
Norfolk**	815	727	493	360	186	567	727	303
Huron***	642	563	355	241	102	418	563	192
Wellington**	657	579	371	259	120	434	579	213
Simcoe County***	636	557	352	242	108	414	557	197
Durham***	678	599	394	286	142	456	599	238
Peterborough	661	582	372	254	112	437	582	206
Kemptville***	722	642	432	311	151	498	642	254
Sudbury***	509	444	279	192	83	328	444	156

*- 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.

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

Essex County(<https://onvegetables.com/2019/06/27/vcr-7/#essex>)

Chatham-Kent County(<https://onvegetables.com/2019/06/27/vcr-7/#chatham-kent>)

Norfolk County(<https://onvegetables.com/2019/06/27/vcr-7/#norfolk>)

Huron County(<https://onvegetables.com/2019/06/27/vcr-7/#huron>)

Wellington County(<https://onvegetables.com/2019/06/27/vcr-7/#wellington>)

Simcoe County(<https://onvegetables.com/2019/06/27/vcr-7/#simcoe>)

Durham County(<https://onvegetables.com/2019/06/27/vcr-7/#durham>)

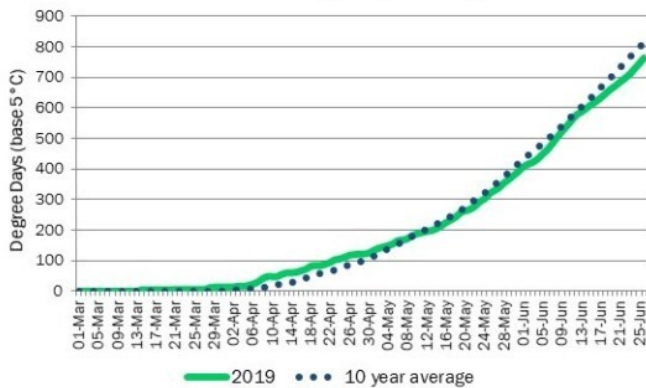
Peterborough(<https://onvegetables.com/2019/06/27/vcr-7/#peterborough>)

Kemptville(<https://onvegetables.com/2019/06/27/vcr-7/#kemptville>)

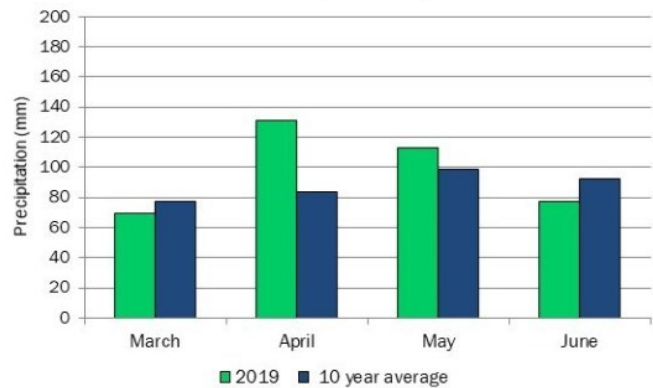
Sudbury(<https://onvegetables.com/2019/06/27/vcr-7/#sudbury>)

Essex County

Essex Growing Degree Days



Essex Total Precipitation per Month

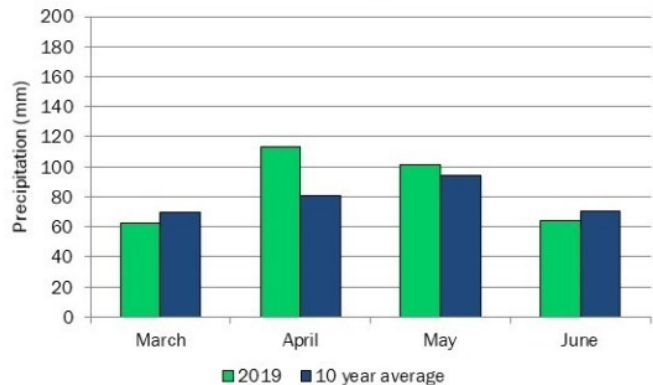


Chatham-Kent County

Chatham-Kent Growing Degree Days

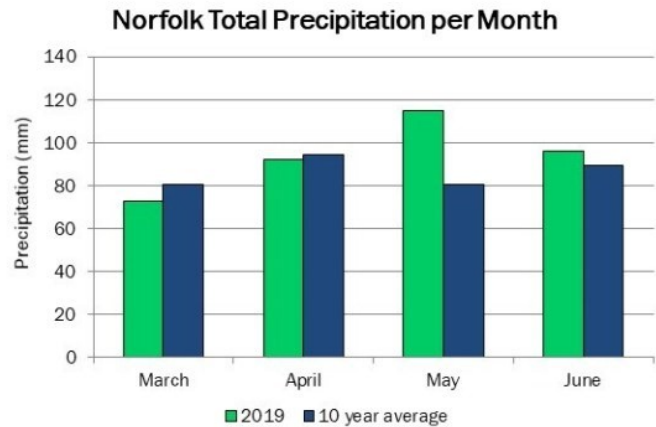
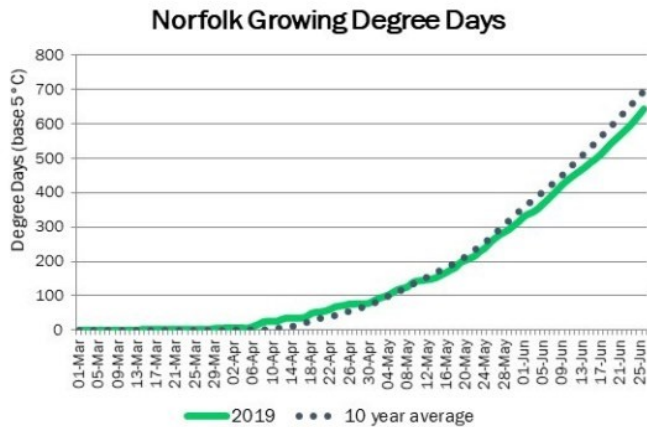


Chatham-Kent Total Precipitation per Month

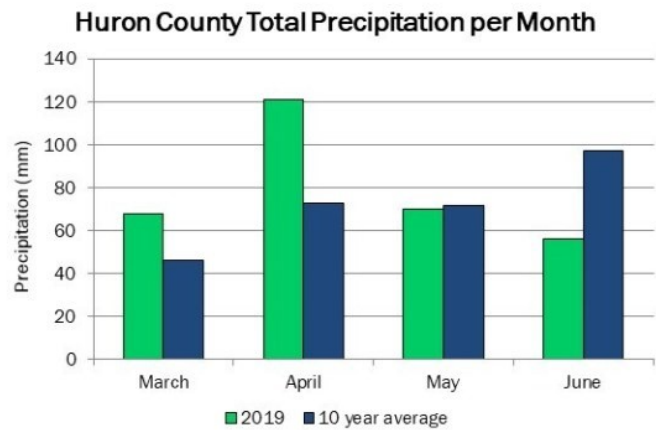
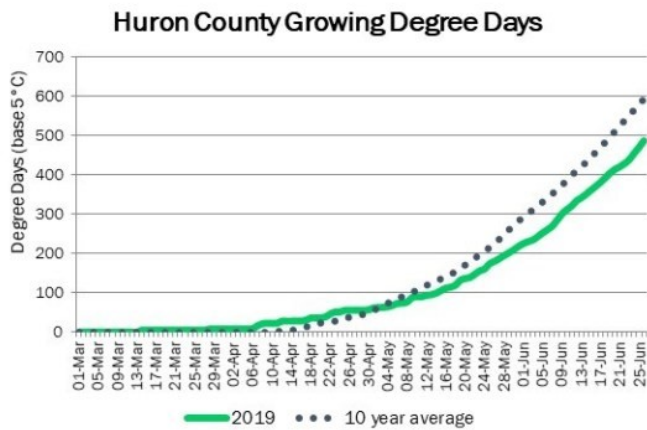


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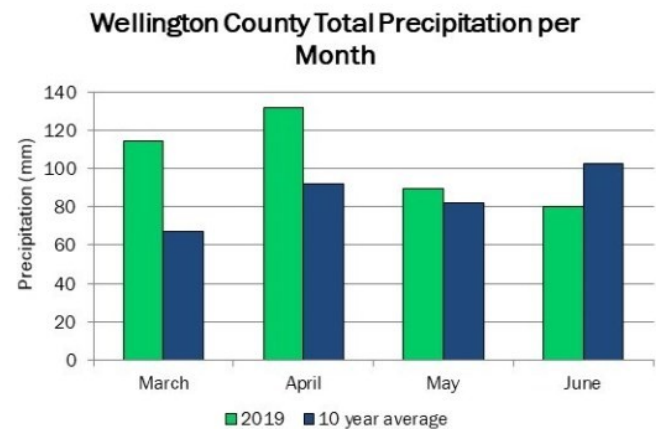
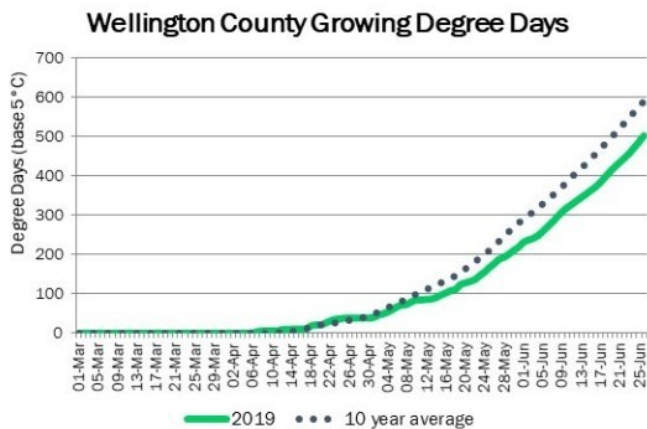
Norfolk County



Huron County

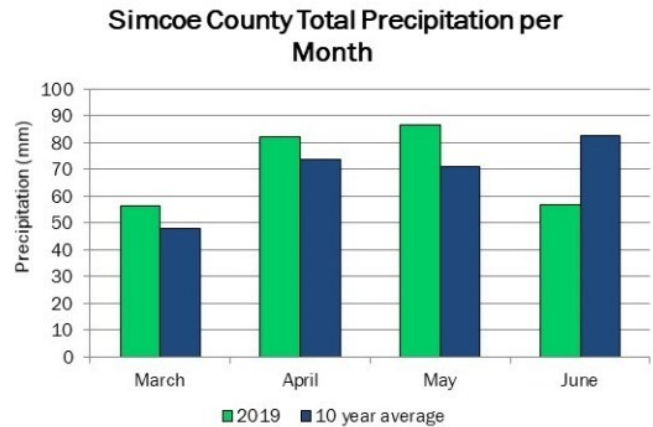
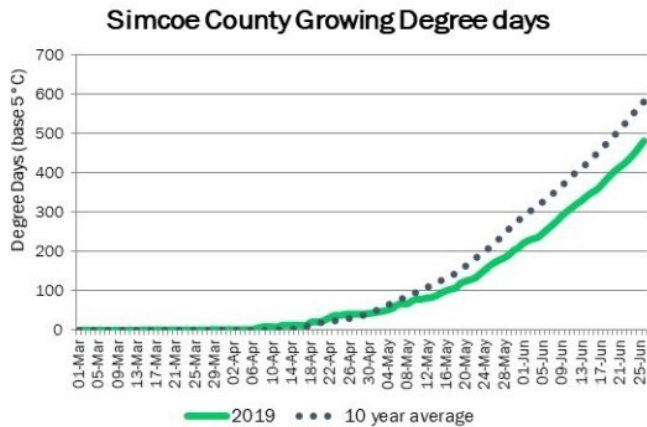


Wellington County

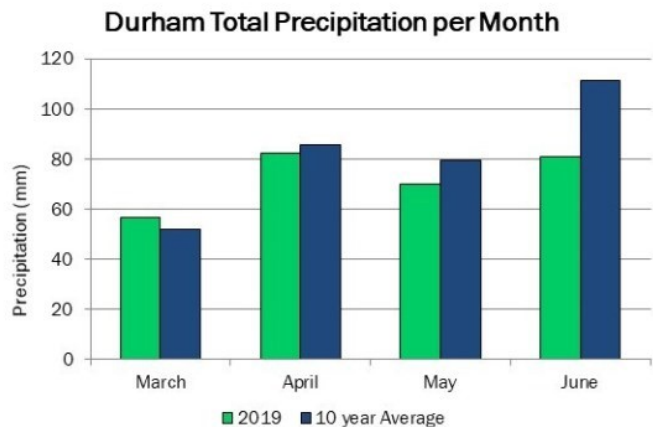
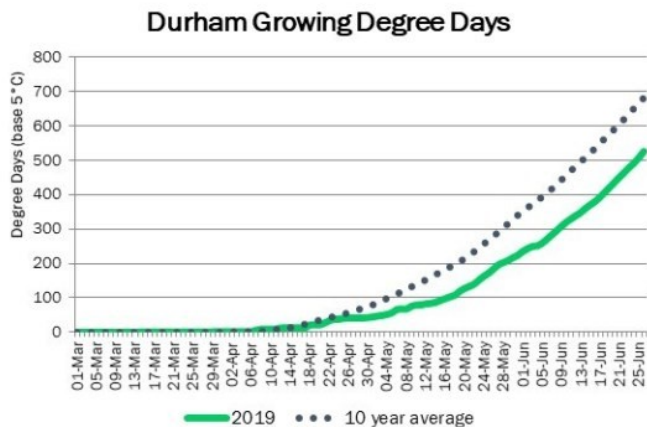


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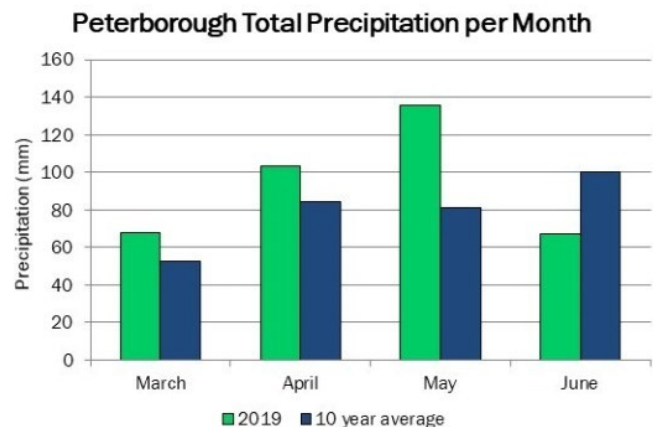
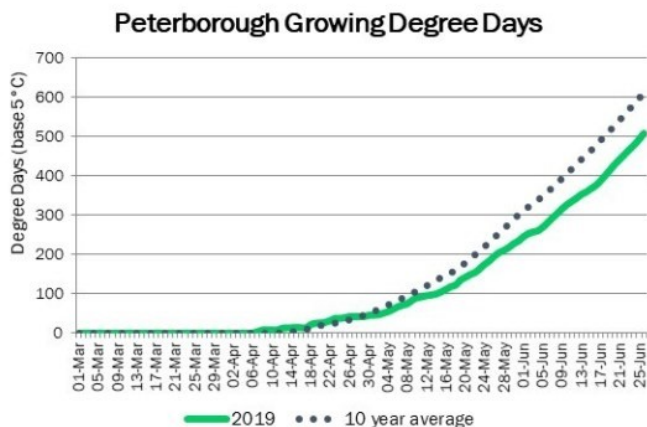
Simcoe County



Durham County

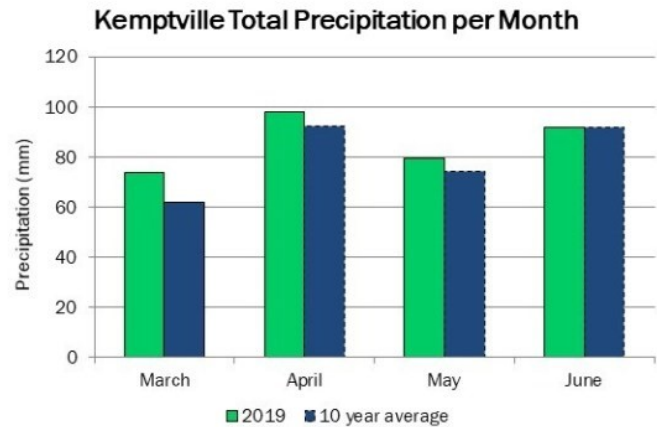
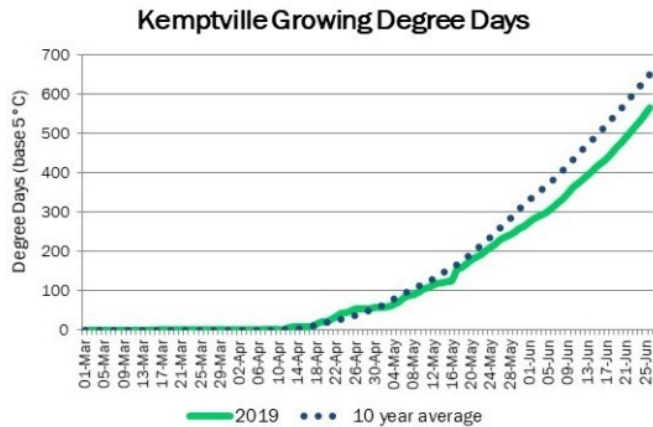


Peterborough

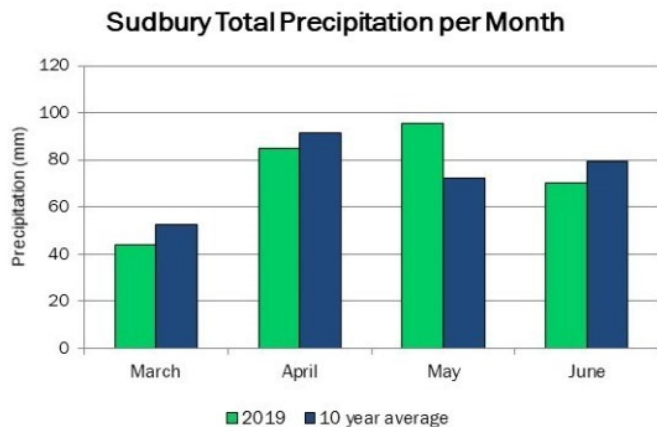
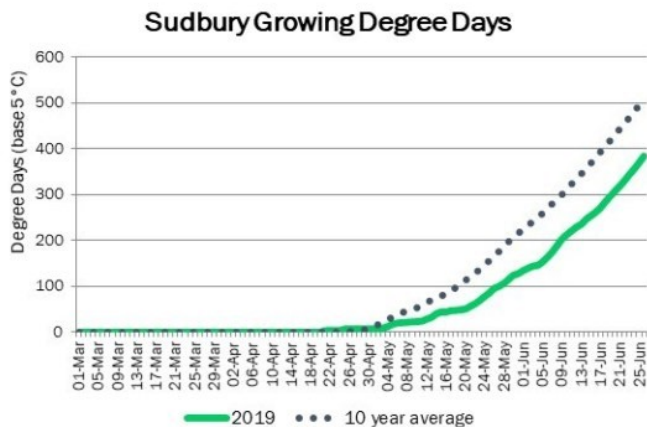


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Kemptville



Sudbury



Cucumber Downy Mildew Update – June 28th, 2019



Once again the Ontario Cucumber Research Committee is funding a downy mildew scouting program for pickling cucumbers. In Norfolk, the scouting services are provided by the Norfolk Fruit Growers Association. In Kent County, the program is managed by Tomecek Ag Services.

For the week of June 24-28, 2019 there were no reports of downy mildew at any of the scouting locations.

To date, cucurbit downy mildew has been active in Florida, the Carolina's, and as far north as Delaware. Downy mildew controls are always most effective when applied prior to the onset of disease.

Apply preventative fungicides at row closure, or earlier if downy mildew is identified in the Great Lakes region.

Ridgetown Vegetable Open House

For commercial vegetable growers and agribusinesses

Hosted by OMAFRA & University of Guelph - Ridgetown Campus

Thursday, August 1st 2019

CROPS	HIGHLIGHTS
Tomatoes	Breeding Plots
Sweet Corn	Fungicide Programs
Cucumbers	Disease Management
Pumpkins	Disease Detection
Squash	Cover Crops
Peas	Herbicide Tolerance
Beans	Weed Control
Sugarbeets	Variety Trials

• No cost • No preregistration • Refreshments to follow tour

See time and map on reverse



**RIDGETOWN
CAMPUS**

CCA CEU credits applied for.

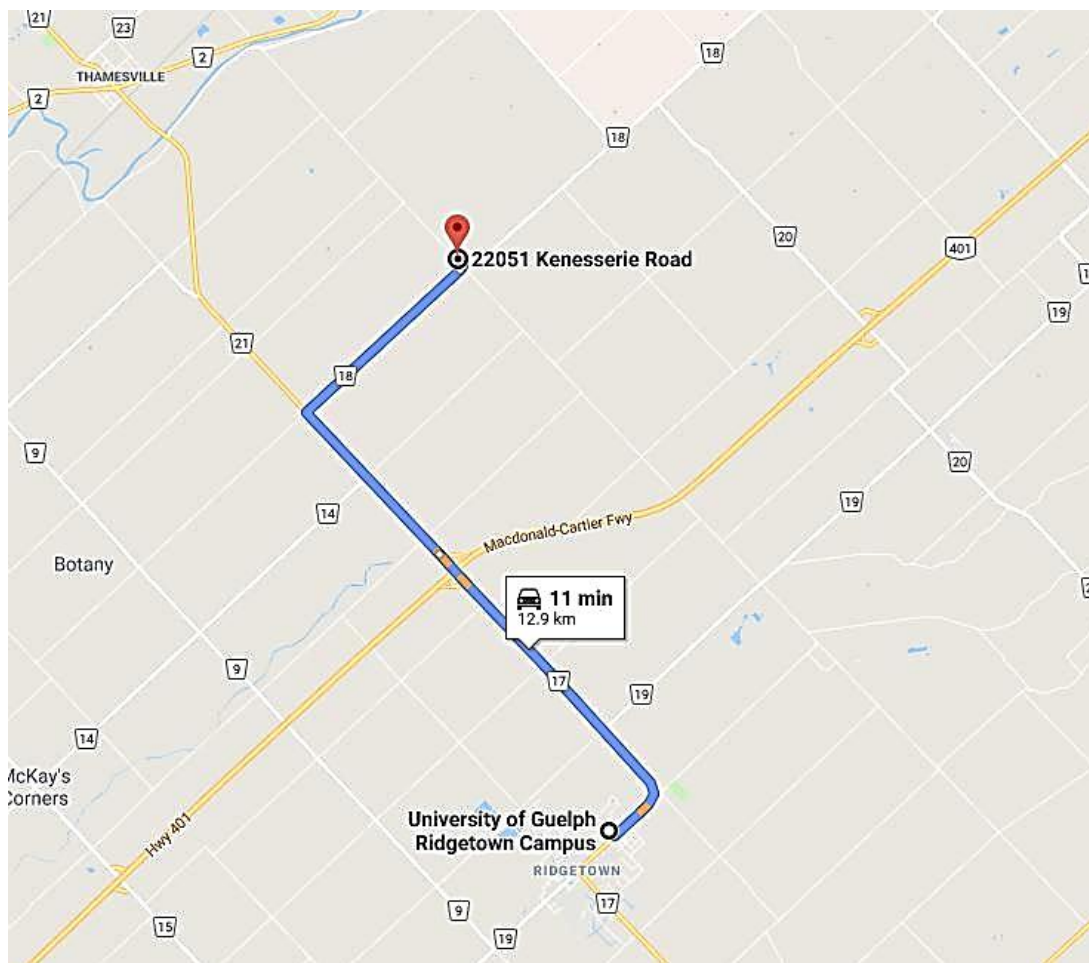


Directions to Ridgetown Vegetable Open House:

1:30 - Meet at the Ridgetown Campus tomato breeding plots on 22051 Kenesserie road, just off Selton Line

2:15 - The tour will proceed to wagons on Ridgetown Campus in (park beside RDC building)

Look for the signs.



For more information, contact **Elaine Roddy** at elaine.rodny@ontario.ca or 519-401-5890



**RIDGETOWN
CAMPUS**

CCA CEU credits applied for.

