



Tuesday, February 26, 2019

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**NEW – Publication 838 – Vegetable Crop Protection Supplement now available online**

ONvegetables

Publication 838 2018 Supplement

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Crop or Crop Group	Trade Name	Common Name	Chemical Group	Pest	Rate per hectare (rate per acre)	PHI (days)	REI (hours)	Notes
Aparagus	Fitness	propiconazole	Group 3	Rust	150 mL/ha (61 mL/acre)	240	12	Make the first application after harvest, as soon as fern growth begins. Do not make sequential applications of any group 3 fungicides.
Beans	OxiDate 2.0	hydrogen peroxide + peroxyacetic ac...	NC	Bacterial blight	1.0% v/v (100 mL product in 10 L water)	0	4	Partial suppression. Apply prior to or in early stages of disease development. Under severe disease conditions, reduce spray intervals.
Beans	XenTari WG	Bacillus thuringiensis, subsp. aizawai	Group II	Corn earworm	500-1000 g/ha (203-405 g/acre)	0	0	For best results apply in evening or on cloudy days.
Beans	Fresidio	fluopicolide	Group 43	Downy Mildew	292 mL/ha (118	0	12	Suppression. No more than 2 sequential apps

The 2019 Supplement (<https://onvegetables.com/publication-838-supplement-2019/>) to Publication 838 – Vegetable Crop Protection Guide is now available online in a searchable, filterable and sortable table.

**“In This Issue”**

- ◆ NEW – Publication 838 – Vegetable Crop Protection Supplement now available online
- ◆ 2019 Horticulture Crop Summer Student Field Research Assistant Positions – Ridgetown
- ◆ Garlic and Vegetable IPM Workshops in New Liskeard, Sudbury and Desbarats
- ◆ 68th Annual Muck Vegetable Growers Conference

This supplement covers all products and label additions from November 2016 to October 2018.

Please visit the onvegetables blog at the Publication 838 Supplement (<https://onvegetables.com/publication-838-supplement-2019/>) page to use this pilot format.

Please leave comments on your experiences with this new format, we would appreciate to hear pros/cons and any issues you may have.

If you do not have access to the internet and require a print copy, please contact Dennis Van Dyk (519-766-5337)

# 2019 Horticulture Crop Summer Student Field Research Assistant Positions – Ridgetown

**Organization:** Ontario Ministry of Agriculture, Food and Rural Affairs  
**Division/Branch:** Economic Development Division / Agriculture Development Branch  
**Position Title:** Summer Student Field Research Assistant  
**Job Term:** One Temporary position for 16 weeks  
One Temporary position for 7 weeks  
**Location:** Ridgetown, ON  
**Salary:** \$14.85/ hour, based on a 36.25 hour work week

This position will provide an excellent opportunity for those interested in a career in crop production, research or the agricultural service sector. This position will provide the opportunity to learn about diseases, insects, and agronomy on a wide range of vegetable crops commonly grown in Ontario.

## Student Research Assistant Duties:

- Summer student research assistant position will assist with summer applied research and demonstration projects conducted by Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) Horticulture Crop Staff in Ridgetown, ON
- Field work might include plot set up and maintenance, soil sampling, field scouting, trap monitoring, identification and monitoring of insects, earthworm, nematodes or diseases
- Responsible for recording agronomic and pest data and other pertinent information from research plots, survey sites and trap locations
- Develop and maintain databases for plot and pest information
- Assist in the coordination of events, programs and projects (e.g. workshops, demonstrations, field days etc.) working with key stakeholders and clients in delivery of programs and information.
- Office work might include data collection and database management, assisting with the production of technical information such as newsletters, updating web pages, blogs, etc.
- Will gain extensive knowledge in a variety of areas including: agronomy, entomology, and plant pathology. Additional skills include plant or pest identification and monitoring/diagnostic techniques

## What we are looking for: Please review the qualifications for this position:

- Interpersonal skills to work within a multi-disciplinary team
- Good observational skills and attention to detail to conduct research, field monitoring, processing samples, and data entry
- Written communication skills to prepare a variety of documents (e.g. reports, factsheets, and articles).
- Some proficiency with computer based software applications including MS Office programs, internet, and database management software to perform data entry, conduct analysis, prepare reports, track and compile information
- Ability to work in an outdoor or laboratory environment, with some light physical activity involved, including light lifting and walking
- Must work well independently or as part of a team; plan, organize and prioritize work to meet competing deadlines
- Must be willing to travel to rural locations (frequently not accessible by public transportation)
- Must have a minimum Ontario G2 Driver's Licence
- Must be a resident of Ontario and be eligible to work in Canada.
- Must be between 15-24 years of age (up to 29 with disability) on the first day of employment.
- Must be currently enrolled in a secondary or post-secondary school, or have completed all academic requirements for graduation within 6 months of first day of employment.

# 2019 Horticulture Crop Summer Student Field Research Assistant Positions – Ridgeway...con't

## How to Apply:

Demonstrate how you meet the eligibility criteria, skills and experience we are looking for clearly, completely and concisely. We rely on the information you provide to us.

Provide a cover letter and resume electronically to [anne.verhallen@ontario.ca](mailto:anne.verhallen@ontario.ca) in any of the following formats: PDF, WORD, plain or rich-text format (.pdf, .doc, .docx, .txt and .rtf). Or you could provide your cover letter and resume on paper to:

Anne Verhallen, OMAFRA  
P.O. Box 400  
120 Main Street E.  
Ridgeway ON  
N0P 2C0  
Tel: 519-674-1614  
Fax: 519-674-1564

Posting Date: **February 21, 2019**

Closing Date: **March 7, 2019**

## Garlic and Vegetable IPM Workshops in New Liskeard, Sudbury and Desbarats

**Travis Cranmer, Vegetable Crops Specialist, OMAFRA**



These workshops will focus on production and pest management of growing garlic in Ontario as well as IPM for other vegetable crops based on audience registration. Topics specific to garlic include clean seed production, cultivar selection, seeding spacing and density, soil and nutrient testing, crop insurance, weed control, pathogen and insect identification and control, leek moth and nematode management, crop rotation options, scaping techniques, upgrading equipment, biological products, cleaning, grading, curing, storage, processing, marketing as well as cost of production!

Insect identification on sticky cards



February 26, 2019

# Garlic and Vegetable IPM Workshops in New Liskeard, Sudbury and Desbarats...con't

The workshops will take place at the following locations:

## **New Liskeard**

Tuesday, March 12 from 9:00-4:00

SPUD Unit, New Liskeard Agriculture Research Station

## **Sudbury**

Wednesday, March 13 from 10:00-5:00

College Boreal, Sudbury

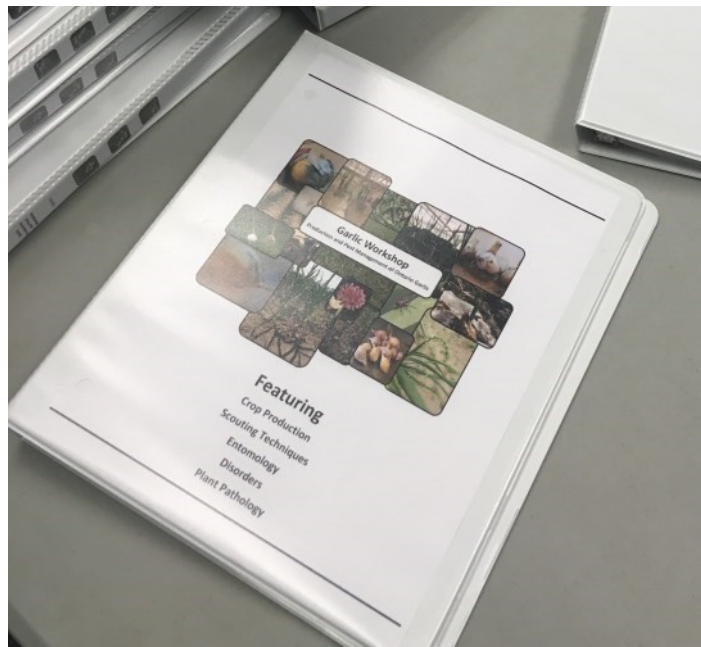
## **Desbarats (Algoma)**

Thursday, March 14 from 10:00-5:00

Johnston Township Community Centre, Desbarats

If you or anyone else you know would like to attend this workshop, please **register** online by going to [www.garlicgrowersofontario.com](http://www.garlicgrowersofontario.com). Cost is \$20/person (Payable at the door, cash, credit, debit, cheque) and lunch is provided.

When signing up, please indicate other major vegetable crops you grow besides garlic.



Workshop binder provided

Supported by the Garlic Growers Association of Ontario and the Northern Ontario Farm Innovation Alliance (NOFIA). If you have questions about what will be covered, contact Travis Cranmer at [travis.cranmer@ontario.ca](mailto:travis.cranmer@ontario.ca) or call 519 826-4963.



# 68th Annual Muck Vegetable Growers Conference



The 68th Annual Muck Vegetable Growers Conference will be held March 27-28 at the Bradford and District Memorial Community located at 125 Simcoe St., Bradford, ON. The conference is free and registration starts at 8:30. No pre-registration is required.

For more details please see: <http://www.uoguelph.ca/muckcrop/muckconference.html>

## Conference Agenda

**Wednesday Morning, March 27**

**Chair: Dennis Van Dyk**

9:00 – 9:20	Highlights of the carrot cultivar trials. <b>Shawn Janse</b> and M.R. McDonald
9:20 – 9:40	Highlights of carrot research trials. <b>Mary Ruth McDonald</b> and K. Vander Kooi
9:40 – 10:00	Managing leaf curl in celery. <b>Stephen Reynolds</b> , K. Vander Kooi and M.R. McDonald
10:00 – 10:45	<b>BREAK</b>
10:45 – 11:05	Weed control in carrots: Results and Insights. <b>Clarence Swanton</b>
11:05 – 11:15	Funding for growers available through the Lake Simcoe Region Conservation Authority. <b>Lori McLean</b>
11:15 – 11:25	Industry update
11:25 – 11:45	Can we still use mancozeb? An update on the review of mancozeb and the neonics. <b>Chris Duyvelshoff</b>
11:45 – 12:00	Update from the Holland Marsh Growers Association. <b>Jody Mott</b>
12:00 – 1:30	<b>LUNCH</b>

## 68th Annual Muck Vegetable Growers Conference...con't

**Wednesday Afternoon, March 27**

**Chair: Matt Sheppard**

1:30 – 2:00	Nematodes in carrots: California trials. <b>Joe Nunez</b>
2:00 – 2:20	Nematode management for carrots and garlic in Ontario – <b>Tyler Blauel</b> , D. Van Dyk, K. Vander Kooi and M.R. McDonald
2:10 – 2:30	IPM Update- the year in review and plans for 2019- <b>Zach Telfer</b> , K. Vander Kooi, M.R. McDonald
2:30 – 2:40	Industry update
2:40 – 3:00	Enhancing beneficial insects around the Marsh: The Berm Debate. <b>Dillon Muldoon</b> , M.R. McDonald, C. Scott-Dupree.
3:00 – 3:30	<b>BREAK</b>
3:30 – 3:50	Flea beetles in carrots. A new pest? <b>Joe Nunez</b>
3:50 – 4:00	Industry update
4:00 – 4:20	Labour shortages or expenses? Try a robotic weeder. <b>Teric Greenan</b>
4:20 – 4:40	Improving control of carrot weevil. <b>Alexandra Stinson</b> , Zach Telfer, C. Scott-Dupree and M.R. McDonald

**Thursday Morning, March 28**

**Chair: Travis Cranmer**

9:00 – 9:20	Update on onion research trials <b>Mary Ruth McDonald</b> , K. Vander Kooi, L. Riches.
9:20 – 9:45	Highlights of the onion cultivar trials. <b>Shawn Janse</b> and M.R. McDonald
9:45 – 9:55	Another approach to onion maggot control – sterile insect release. <b>Travis Cranmer</b>
9:55 – 10:05	Industry update
10:05 – 10:45	<b>BREAK</b>
10:45 – 11:05	Minor Use for Muck Vegetables -Update – <b>Jim Chaput</b>
11:05 – 11:15	Industry update
11:15 – 12:00	Management of Stemphylium on onions – results from New York State. <b>Sarah Pethybridge</b>
12:00 – 1:30	<b>LUNCH</b>

## 68th Annual Muck Vegetable Growers Conference...con't

Thursday Afternoon, March 28

Chair: Tyler Blauel

1:30 – 2:00	Management of Stemphylium on onions in Ontario <b>Sara Stricker, Jake Carson, B.D. Gossen, M.R. McDonald</b>
2:00 – 2:10	Industry update
2:10 – 2:30	Mycorrhizae and muck crops: What can they do? <b>Umbrin Ilyas, L. duToit, M. Raizada and M.R. McDonald</b>
2:30 – 3:00	Advances in Sprayer Technology tested in the field. <b>Jason Deveau and Dennis Van Dyk</b>