



ONTARIO AGRICULTURAL COLLEGE
Office of Research

January 2018

To: Seed Supplier

Submissions numbers to the onion and carrot cultivar trials were good last year and have been now for several years. I would like to take this opportunity to thank you for your co-operation in supplying seed samples and making the trials a success. I hope the Muck Crops Research Station's cultivar trials are as beneficial to you as they are to us and the growers in the Bradford area and growers outside the local region. The results from the 2017 cultivar trials are published in the 2017 Muck Vegetable Cultivar Trial & Research Report. The Muck Station will shortly post the Variety Trial data on our web page <http://www.uoguelph.ca/muckcrop/>. Please take some time and check it out.

This year, cultivars that are submitted for evaluation may be placed in one of two trials: **Main or Adaptation**. Of the two cultivar trials, the Main Trial generates more data/information and therefore have a higher level of intensity than the Adaptation Trial. **The Main Trials** for onions and carrots are arranged in a randomized complete block design with **three reps per cultivar**. This trial is harvested, evaluated and stored by the staff at the station. The cultivars chosen for the Main Trial are cultivars that are named and are of interest to area growers. Standard cultivars are included to act as benchmarks for comparison purposes.

The **Adaptation Trials** are **not replicated**. They are harvested, evaluated and the results are published. Named cultivars and numbered lines that look promising for this area and market requirements should be included in this trial.

Rough judging notes are available after the trial has been evaluated. The final distribution copy of the results, formatted by Microsoft Word and Excel, are ready by the end of January. Companies who submit seed for inclusion in the various cultivar trials will receive data upon request for each rep as well as the averages, which will be published in our annual report. Please phone or e-mail your request to Shawn Janse (sjanse@uoguelph.ca).

Please follow the listed seed requirements and submission dates to help us ensure a beneficial trial to all involved.

CARROT TRIALS

The growers in the Bradford Marsh focus of carrot production are a mix of cello/jumbo production. Growers prefer carrot cello cultivars that have jumbo potential. The hope is that the carrot trials at the MCRS will encompass every carrot from the fresh market cello to jumbos'. Each carrot cultivar has different recommended seeds per foot ratio to produce the desired cello/jumbo carrot mix. Therefore, I would encourage that for each submission please list a suggested seeding density. We will try our best to ensure your submission is seeded at your desired rate. If no seed per foot rate is listed, we will follow standard practices of 20-26 seeds per foot.

CARROT CELLO & JUMBO TRIAL

Seed required:

Main	+/- 15,000 seeds
Adaptation	+/- 5,000 seeds

- Seed for Main Trials is preferred pelletized
- Germination percentages should be included
- Please state desired seeds per foot.

- A) Submissions must be received at the Muck Crops Research Station by **Friday April 20, 2018.**
- B) **If possible, please email a copy of your submissions prior to shipping the seed. This helps to ensure proper allocation of field space and the inclusion of "Benchmark" varieties in the Main Trials.**

REMEMBER YOUR SUBMISSION FORM

MAIN RED ONION TRANSPLANT TRIAL

This will be the second of a three year Red Onion Transplant Trial.

Each year several growers in the Holland Marsh and surrounding area transplant red cooking onions. The key reason is to ensure a fully matured product by early to mid September. The extra cost associated with production of transplants is usually covered by the higher prices. We would like to evaluate any new red onions that may be suitable for transplant. The onions must mature in a timely matter and be high yielding in order to be of value to the grower. Evaluations will focus on some key points for red onion production within the Holland Marsh. Yield, size, interior colour, bulb shape, neck size, and neck tightness are some of the evaluations that will be record. A storage sample will also be taken and evaluated.

RED TRANSPLANT COOKING ONION

Seed required:

Main

+/- 10,000 seeds

- Submit pelletized or raw seed.
- Germination percentages should be included

- A) Submissions must be received at the Muck Crops Research Station by **Friday March 09, 2018**.
- B) **If possible email a copy of your submissions prior to shipping the seed. This helps to ensure proper allocation of field space and the inclusion of "Benchmark" varieties in the Main Trials.**

REMEMBER YOUR SUBMISSION FORM

ONION TRIALS

YELLOW COOKING

Seed required:

Main +/- 10,000 seeds

Adaptation +/- 3,500 seeds

- Submit pelletized, PRO GRO treated seed
- Germination percentages should be included
- Please state pellet size

- C) Submissions must be received at the Muck Crops Research Station by **Friday April 13, 2018**.
- D) **If possible email a copy of your submissions prior to shipping the seed. This helps to ensure proper allocation of field space and the inclusion of “Benchmark” varieties in the Main Trials.**

REMEMBER YOUR SUBMISSION FORM

Seed Submission Dates

Please read and follow the required seed submission dates.
There is no guarantee that any seed arriving after the listed dates
will be entered into the requested trial.