

Corn Parent Evaluation Nurseries

Project duration May 2018 – November 2018

Objectives To develop and release early maturing cold tolerant corn inbreds.

Collaborators Lana Reid Ph.D – AAFC Research Scientist Ottawa Research and Development Centre

Background

The objective will be achieved using conventional corn breeding methodology enhanced by double haploid inbred production and specialized screening techniques for cold tolerance and disease resistance. The trial is being conducted at sites across five Canadian provinces. The anticipated impact of developing earlier maturing, cold tolerant corn will expand the acreage of corn production in Canada.

Project findings

This project is part of a long-term, multi-site study led by Lana Reid. Research findings will be made available by Lana Reid and team.

Materials & Methods

Experimental Design	500 row observation nursery
Entries	500
Seeding	May 17, 2019
Harvest	September 27, 2019

Data collected	Date collected
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Tasseling Date	Jul 02 – Aug 01
Silking Date	Jul 08 – Aug 19
Ear Formation	Jul 29 – Aug 26
Heights	Jul 30
Moisture	September 27
Yield	September 27

Agronomic info:

Standard recommended agronomic protocols were adopted for each crop. Fertilizers were applied with respect to soil test results. Herbicide were applied, when required.