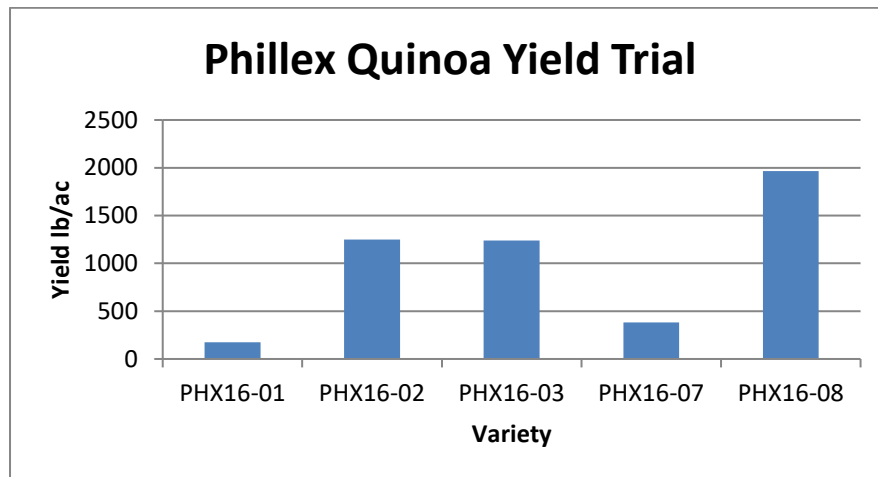


Quinoa Adaptation Evaluation

Project duration May 2018 to September 2018
Objectives Evaluate quinoa lines/varieties for adaptation and yield performance in the Central Plains region of Manitoba.
Collaborators Phillex Inc.

Results

Figure 1: Quinoa lines and yield performance at Carberry in 2018



Background

Quinoa is a broadleaf annual plant that produces small, round seeds with excellent nutritional qualities [1,2]. The crop can be grown in all agricultural regions of Manitoba. Phillex Ltd, based in Portage la Prairie, participated with all four Manitoba Diversification Centres to conduct the quinoa variety trial.

Carberry Materials & Methods

Experimental Design	Randomized complete block design with 3 replicates
Seeding	May 11
Harvest	Sep 10
Fertility	120lb/ac actual N (46-0-0); 26lb/ac actual Phos (11-52-0); 4lb/ac actual Sulfur (20-0-024)
In Crop Weed Control	May 31 Poast Ultra Assure II applied June 13, 2018 Cygon applied July 6, 2018 Matador applied July 28, 2018
Fungicide	None Registered

Data collected

Emergence Population
Yield
Moisture

Date collected

June 4
Oct 17
Oct 17