University of Saskatchewan Standard Oat Yield Trial

Project duration: May 2021 – September 2021
Objective: To evaluate oat entries for the Crop Development Centre, University of Saskatchewan
Collaborators: Aaron Beattie

Background
Adapted from the Crop Development Centre (CDC) website: The CDC was established in 1971 to improve economic returns for farmers and the agriculture industry in western Canada by improving existing crops, creating new uses for traditional crops, and developing new crops.

Results
The average yield for oat entries is shown in Figure 1. The percent CV for the trial is 33.0. Numbered, non-registered varieties are provided for tracking purposes only. The results are for one site-year only, and should be interpreted with caution. Consult a seed guide for multi-site-year data for available varieties.

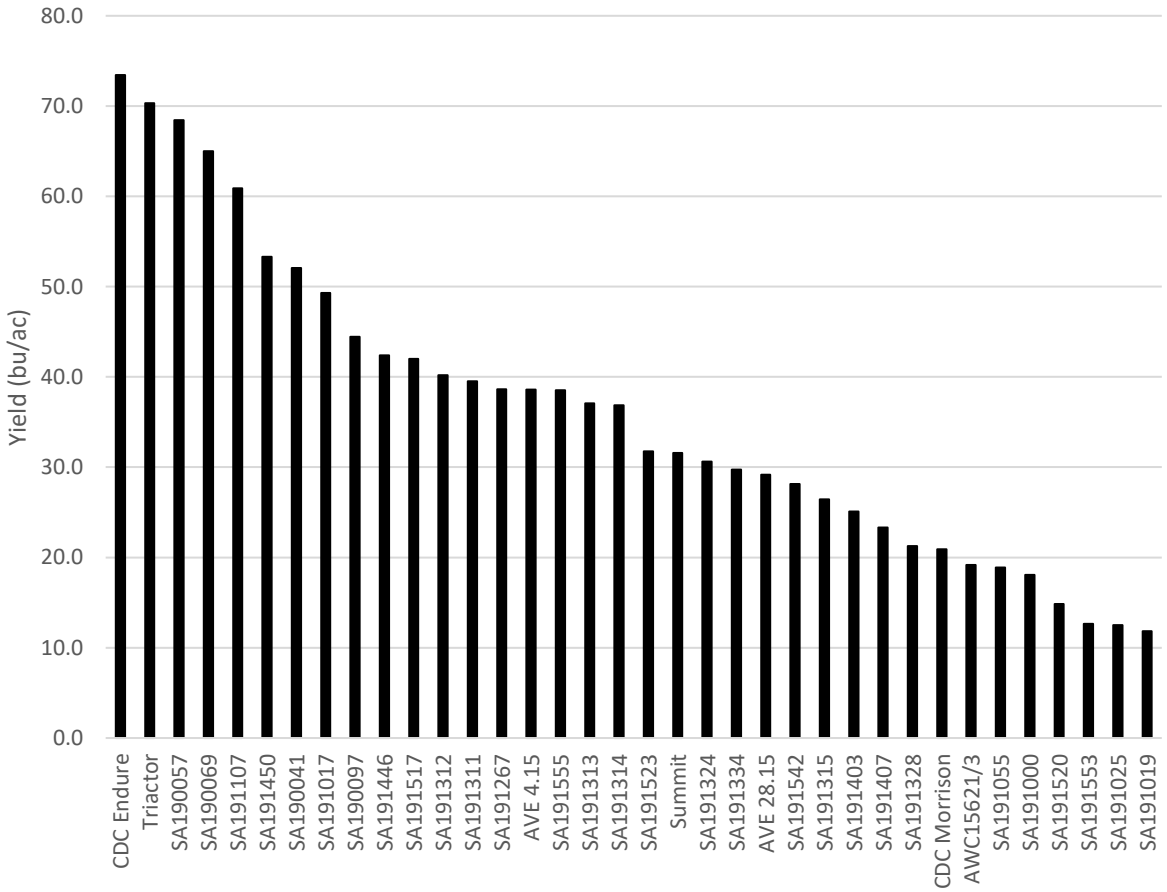

Figure 1: Average yield (bu/ac) for oat entries.

Materials and methods

Experimental Design:	Random Complete Block Design
Entries:	36 varieties
Seeding:	May 4
Harvest:	Sep 15

Data collected	Date collected
Rust:	Throughout season
Height:	Aug 14
Lodging:	Sep 15
Yield:	Sep 15
Moisture:	Sep 15

Agronomic info	
Previous year's crop:	Oat silage
Soil Type:	Erickson Clay Loam
Landscape:	Rolling with trees to the south
Seedbed preparation:	Vertical tilled

Table 2: Spring 2021 Soil Test

	Available	Added	Type
N	162 lb/ac	10 lb/ac	46-0-0
P	41 ppm	15 lb/ac	11-52-0-0
K	703 ppm		

Table 3: Spraying Information

Crop stage	Date	Product	Rate
Pre-emerge	Sep 12	Heat LQ	35 ml/ac
		Amigo	750 ml/ac
In-crop	Jun 14	Curtail M	810 ml/ac
		Dicamba	117 ml/ac
Desiccant	Sep 9	Roundup	640 ml/ac