

SVPG Oat Variety Evaluation

Project duration: May 2021 – September 2021

Objectives: To evaluate oat varieties for the Saskatchewan Variety Performance Group

Collaborators: SVPG, Saskatchewan Agriculture

Background

(From the [Saskatchewan Wheat Development Commission website](#)): The Saskatchewan Variety Performance Group (SVPG) is an informal group made up of stakeholders who are interested in variety performance testing in Saskatchewan. SVPG has coordinated the post-registration regional performance testing of spring wheat, durum, barley, oats, and flax varieties since 2006. The data collected from these trials is entered into annual publications "Varieties of Grain Crops" and the [Saskatchewan Seed Guide](#).

Results

The yield results (bu/ac) for the Roblin site are shown in Figure 1. 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.

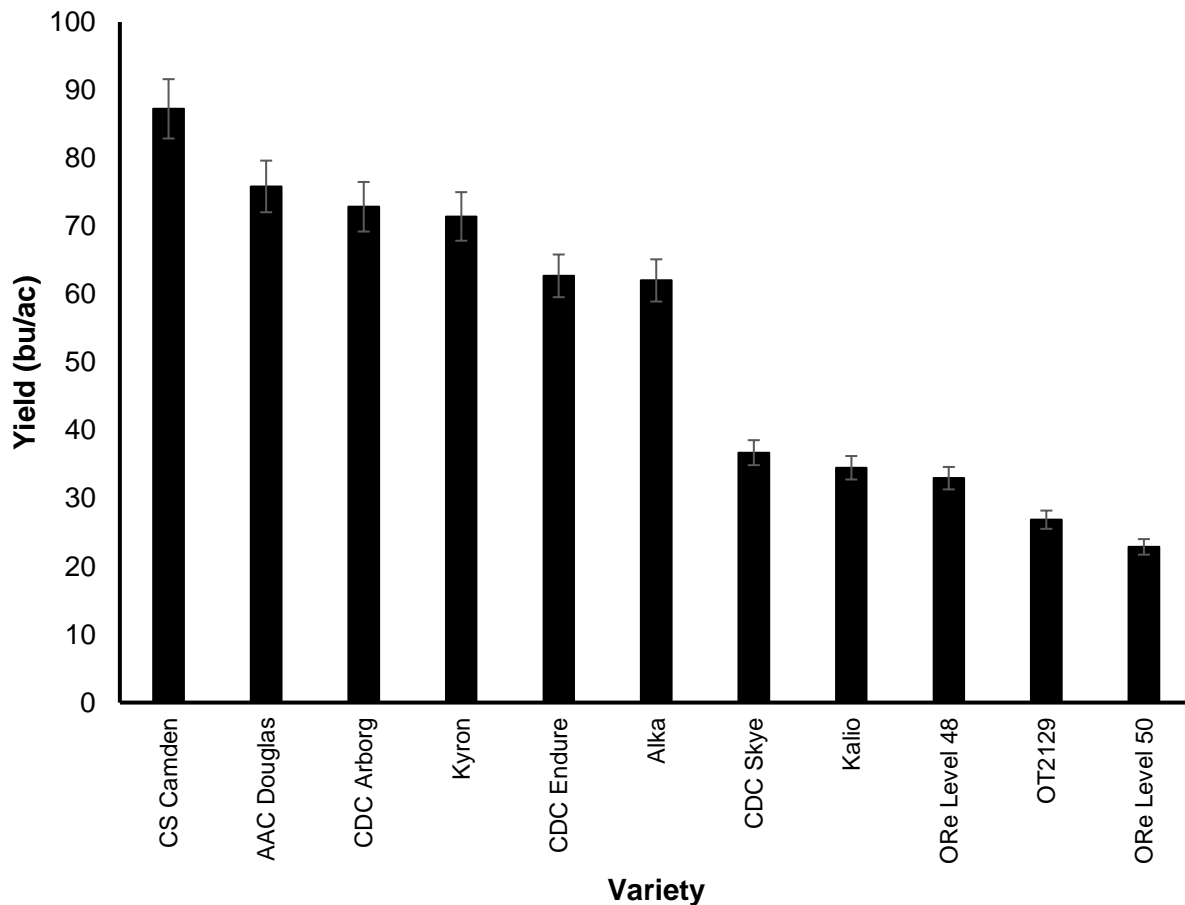


Figure 1: Average yield for oat entries

Table 1: Comparison of yield means and statistical difference for oat entries (varieties connected by the same letter are statistically significant)

Variety	Statistical significance for yield			Yield (bu/ac)
CS Camden	A			87.25
AAC Douglas	A			75.84
CDC Arborg	A			72.86
Kyron	A			71.44
CDC Endure	A	B		62.71
Alka	A	B		62.04
CDC Skye		B	C	36.72
Kalio		B	C	34.50
ORe Level 48		B	C	32.98
OT2129			C	26.87
ORe Level 50			C	22.88
LSD	31.40			
% CV	50.51			

Materials & Methods

Experimental Design: Random Complete Block Design
 Entries: 11 entries, 3 replications
 Seeding: May 4
 Harvest: Sep 15

Agronomic information

Previous year's crop: Oat Silage
 Soil Type: Erickson Loam Clay
 Seedbed preparation: Vertical tilled

Data collected Date collected

Yield: Sep 15
 Moisture: Sep 15

Table 2: 2021 Fertility Information

	Available	Added	Type
N	162 lb/ac	10 lb/ac	46-0-0
P	41 ppm	10 lb/ac	11-56-0-0
K	703 ppm	-	-

Table 3: Pesticide Application

Crop stage	Date	Product	Rate
Pre-emerge	May 10	Heat LQ	35 ml/ac
		Amigo	750 ml/ac
In-crop	Jun 14	Curtail M	810 ml/ac
		Dicamba	117 ml/ac
Desiccant	Sep 7	Roundup	640 ml/ac