

## SVPG 2-Row Barley Variety Evaluation

**Project duration:** May – September 2021

**Objectives:** Evaluate 2-row barley 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.

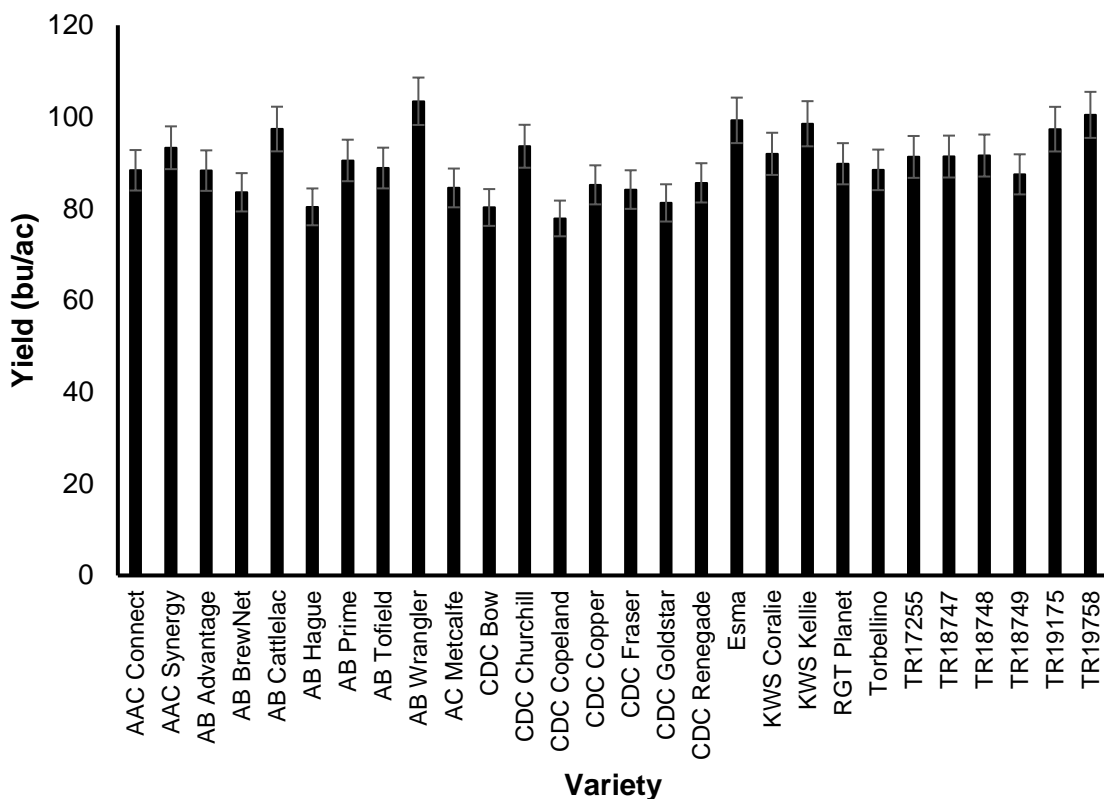


Figure 1: Statistical differences for yield by variety (bu/ac)

Table 1: Means for yield by variety and comparison of statistical difference

Variety	Significant Difference for Yield				Mean (bu/ac)
TR18748	A				105.7
AB Wrangler	A	B			103.4
Esmā	A	B	C		99.3
KWS Kellie	A	B	C	D	98.5
TR19175	A	B	C	D	98.3
AB Cattlelac	A	B	C	D	97.4
TR18749	A	B	C	D	94.9
CDC Churchill	A	B	C	D	93.6
AAC Synergy	A	B	C	D	93.3
KWS Coralie	A	B	C	D	92.0
TR18747	A	B	C	D	91.4
TR17255	A	B	C	D	91.3
AB Prime	A	B	C	D	90.5
RGT Planet	A	B	C	D	89.8
TR19758	A	B	C	D	89.7
AB Tofield	A	B	C	D	88.9
Torbellino	A	B	C	D	88.5
AAC Connect	A	B	C	D	88.4
AB Advantage	A	B	C	D	88.3
CDC Renegade	A	B	C	D	85.6
CDC Copper	A	B	C	D	85.2
AC Metcalfe		B	C	D	84.5
CDC Fraser		B	C	D	84.2
AB BrewNet		B	C	D	83.6
CDC Goldstar			C	D	81.3
AB Hague			C	D	80.4
CDC Bow			C	D	80.3
CDC Copeland				D	77.9
<b>LSD</b>	20.7				
<b>% CV</b>	13.9				

### Materials and methods

Experimental Design: Random Complete Block Design

Entries: 28 varieties

Seeding: May 6

Harvest: Sep 8

Data collected Date collected

Yield: Sep 8

Moisture: Sep 8

### Agronomic info

Previous year's crop: Oat Silage

Soil Type: Erickson Clay Loam

Landscape: Rolling with trees to the east

Seedbed preparation: Vertical Tilled

Table 2: Fertility Information

	Available	Added	Type
N	93 lb/ac	31 lb/ac	46-0-0
P	46 ppm	15 lb/ac	11-52-0-0

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
		Puma	271 ml/ac