

SVPG 2-Row Barley Variety Trial

Project duration: May 2020 – August 2020
Objectives: Evaluate 2-row barley varieties for the Saskatchewan Variety Performance Group
Collaborators: Mitchell Japp, Saskatchewan Agriculture

Background

The Saskatchewan Variety Performance Group (SVPG) conducts variety trials to evaluate important varieties. Find the [2020 Saskatchewan Seed Guide](#) here.

Results

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

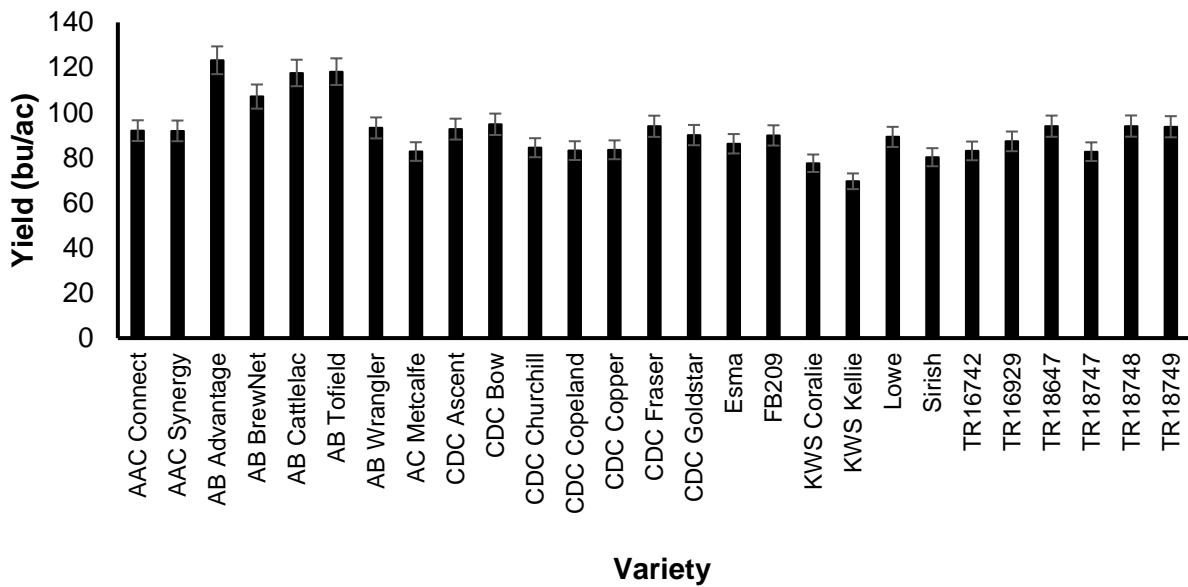


Figure 1: 2-Row barley yields by entry (bu/ac)

The results for barley yield differ statistically by treatment (Table 1). Treatments not marked with the same letter are statistically different from other treatments.

Table 1: Summary of statistical information for wheat and lupin yield

Entry										
AB Advantage	A									
AB Tofield	A									
AB Cattlelac	A	B								
AB BrewNet		B	C							
TR18747			C	D						
TR18748			C	D	E					
TR18749				D	E	F				
CDC Bow				D	E	F	G			
TR18647				D	E	F	G	H		
CDC Fraser				D	E	F	G	H		

AB Wrangler				D	E	F	G	H	I			
CDC Ascent				D	E	F	G	H	I			
AAC Connect				D	E	F	G	H	I			
AAC Synergy				D	E	F	G	H	I			
CDC Goldstar					E	F	G	H	I	J		
FB209					E	F	G	H	I	J		
Lowe						F	G	H	I	J		
TR16929						F	G	H	I	J	K	
Esma						F	G	H	I	J	K	
CDC Churchill							G	H	I	J	K	
CDC Copper								H	I	J	K	
CDC Copeland									I	J	K	
TR16742									I	J	K	
AC Metcalfe									I	J	K	
Sirish										J	K	
KWS Coralie											K	L
KWS Kellie												L
CV (%)	14.4											
LSD (0.05)	537.8											

Materials and methods

Experimental Design: Random Complete Block Design

Entries: 27 varieties

Seeding: May 12

Harvest: Aug 21

Data collected Date collected

Yield: Oct 21

Moisture: Oct 21

Agronomic info

Previous year's crop: Barley Silage

Soil Type: Erickson Loam Clay

Landscape: Rolling with trees to the east

Seedbed preparation: Heavy harrowed

Table 1: Fertility Information

	Available	Added	Type
N	66 lb/ac	58 lb/ac	46-0-0
P	47 ppm	15 lb/ac	11-52-0-0