

## SVPG Wheat Variety Evaluation 1 (CWRS) and Evaluation 2 (HY)

**Project duration:** May 2020 – August 2020

**Objectives:** Two tests to evaluate spring wheat varieties for the Saskatchewan Variety Performance Group

**Collaborators:** Mitchell Japp, 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 SaskSeed Guide”. In this project, SVPG is collecting additional wheat data in the variety performance trials on priority traits including maturity, height, lodging, test weight, thousand kernel weight, protein, ergot and wheat midge, to enhance the available data set, and to provide farmers with more productive information on farming decisions.

### Results

The average yield for spring wheat entries in Evaluation 1 (Canadian Western Red Spring) is shown in Table 1. The average yield for entries in Evaluation 2 (High Yielding) is shown in Table 2.

Table 1: Average yield for spring wheat entries (Canadian Western Red Spring, Evaluation 1)

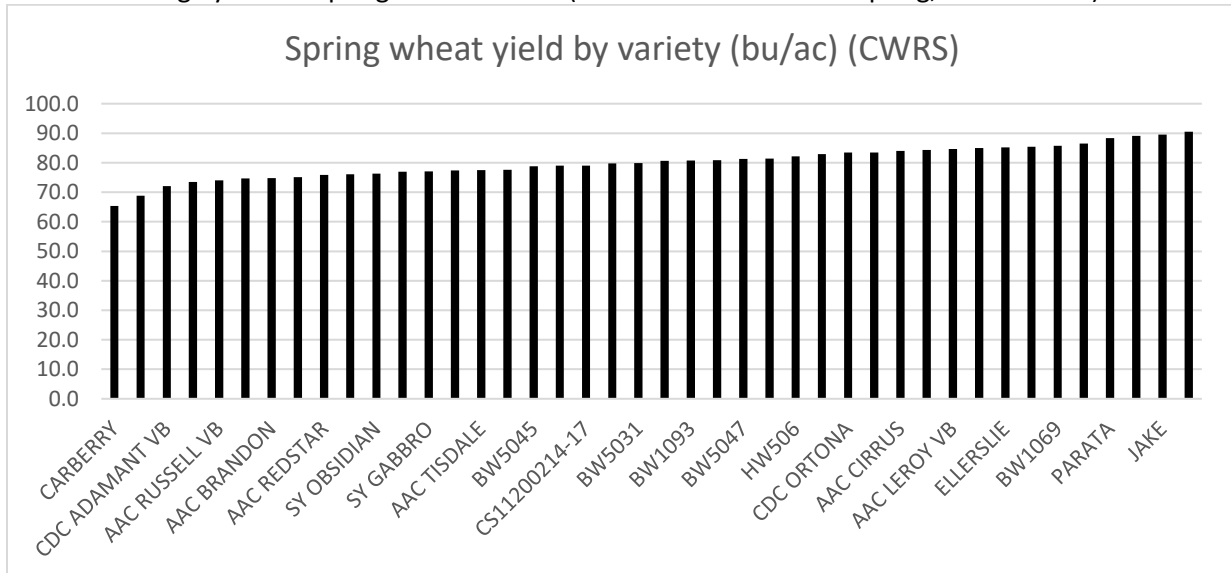
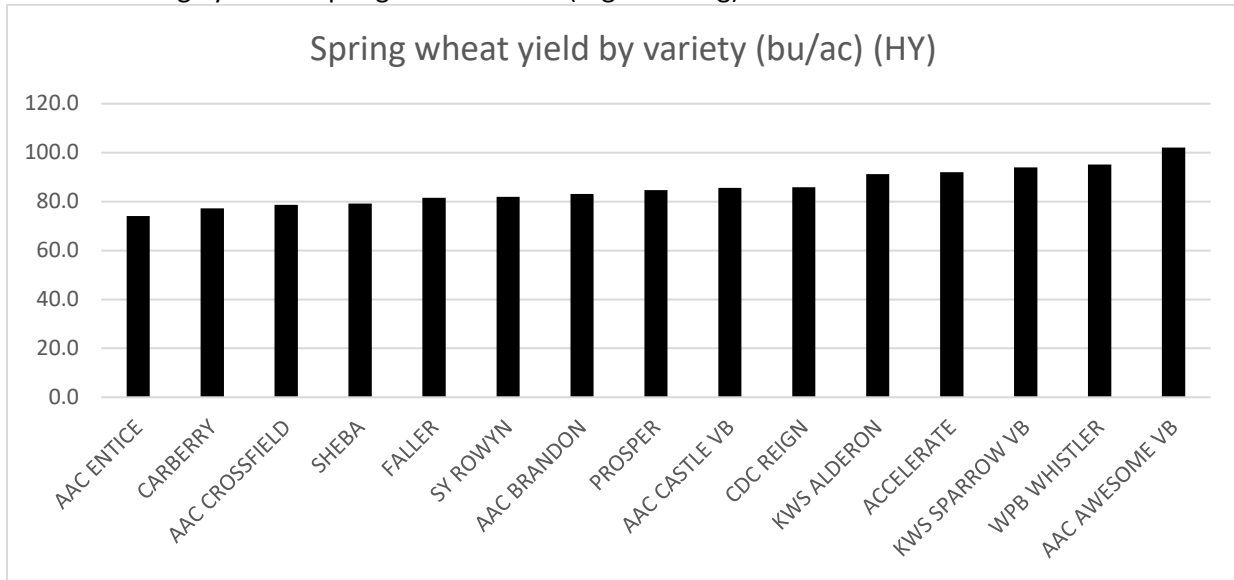


Table 2: Average yield for spring wheat entries (High Yielding)



**Materials and methods**

Experimental Design: Random Complete Block Design  
 Entries: 33  
 Seeding: May 11  
 Harvest: Sep 1

Table 3: Varieties included in SVPG Wheat Variety Evaluation 1

AAC REDSTAR	AAC BRANDON	LNR15-1405	AAC GOODWIN	DAYBREAK
SY OBSIDIAN	BW1069	REDNET	CDC ADAMANT VB	AAC TISDALE
CARBERRY	AAC STARBUCK VB	AAC MAGNET	PT599	CDC ORTONA
SY GABBRO	BW5055	BW5031	HW506	AAC CIRRUS
BOLLES	AAC WHEATLAND VB	LNR15-1741	TRACKER	BW5047
PT598	BW5044	AAC ALIDA VB	AAC RUSSELL VB	JAKE
AAC WARMAN VB	PT652	BW1064	SY TORACH	CS11200214-17
PARATA	AAC LEROY VB	HW402	BW1093	CS11200104-11
BW5045				

Table 4: Varieties included in SVPG Wheat Variety Evaluation 2

AAC AWESOME VB	ACCELERATE	KWS SPARROW VB
AAC BRANDON	CARBERRY	PROSPER
AAC CASTLE VB	CDC REIGN	SHEBA
AAC CROSSFIELD	FALLER	SY ROWYN
AAC ENTICE	KWS ALDERON	WPB WHISTLER

**Agronomic information**

Previous year's crop: Barley Silage  
 Soil Type: Erickson Loam Clay  
 Landscape: Rolling with trees to the east  
 Seedbed preparation: Heavy harrowed

Data collected	Date collected
Maturity:	Aug 25
Height:	Aug 5
Lodging:	Sep 1
Yield:	Sep 1
Moisture:	Sep 1

Table 5: 2020 Fertility Information

	Available	Added	Type
N	70 lb/ac	119 lb/ac	46-0-0
P	41 ppm	15 lb/ac	11-56-0-0
K	545 ppm	-	-

Table 6: Pesticide Application

Crop stage	Date	Product	Rate
Pre-emerge	May 19	Heat	28.0 g/ac
		Round-up	0.64 L/ac
In-crop	Jun 22	PrestigeXC-A	0.17 L/ac
Desiccation	Aug 25	RoundUp	0.64 L/ac
		Heat	20.0 g/ac
		Merge	0.3 L/ac