



## Western Red Spring Wheat 2016

Location: NPARA Trial Year: 2016  
 Investigator: Tom Fromme  
 Crop: Wheat Study Director:  
 Sponsor Contact:

### General Trial Information

**Study Director:** Nora Paulovich **Title:** Research Manager  
**Investigator:** Tom Fromme **Title:** Research Coordinator

**Discipline:** S varietal screening  
**Trial Status:** R Reviewed and reported **Trial Reliability:** GOOD

### Trial Location

**City:** North Star **Country:** CAN Canada  
**State/Prov.:** Alberta

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Crop Description

**Crop 1:** TRZAS Triticum aestivum (spring) Spring wheat  
**Description:** Variety Trial

**Planting Rate, Unit:** 24 P/FT2  
**Depth, Unit:** 3 cm  
**Row Spacing, Unit:** 9 in

**Planting Date:** May-4-2016  
**Planting Method:** DRILLE drilled  
**Planting Equipment:** DD Disc Drill

**Harvest Date:** Sep-13-2016  
**Harvested Width, Unit:** 1.4 m  
**Harvested Length, Unit:** 8 m  
**Harvest Equipment:** plot harvester  
**% Standard Moisture:** 14.5

**Soil Temperature, Unit:** 15 C  
**Soil Moisture:** DRY dry  
**Seed Bed:** FRITRA friable/trashy

### Site and Design

**Treated Plot Width:** 1.4 m  
**Treated Plot Length:** 8 m  
**Treated Plot Area:** 11.2 m2 **Treatments:** 18  
**Replications:** 4  
**% Slope:** 1.0

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** NOTILL no-till  
**Study Design:** RACOB L Randomized Complete Block (RCB)

**Trial Comments:** NPARA cereal trials in 2016 enjoyed good weather and health. Seeding was done in dry conditions, followed by adequate moisture the rest of the season. Even with wet conditions we saw little leaf disease and insect pressure. One application of Folicur was made in a tank mix with a Prestige in-crop herbicide treatment.

The dots on the graph indicate individual plot values of the four repetitions.

### Maintenance

No.	Date	Maintenance Product Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	Jun-21-2016	Prestige A	180	EC	314	mL/A	yes
2.	Jun-21-2016	Prestige B	4	L	700	mL/A	yes
3.	Jun-21-2016	Folicur 250 EW			202	mL/A	yes
4.	Aug-17-2016	Roundup Transorb	540		670	mL/A	

**Comment:** Alpine G22 06-22-06 @ 810 mL/A on June 21st

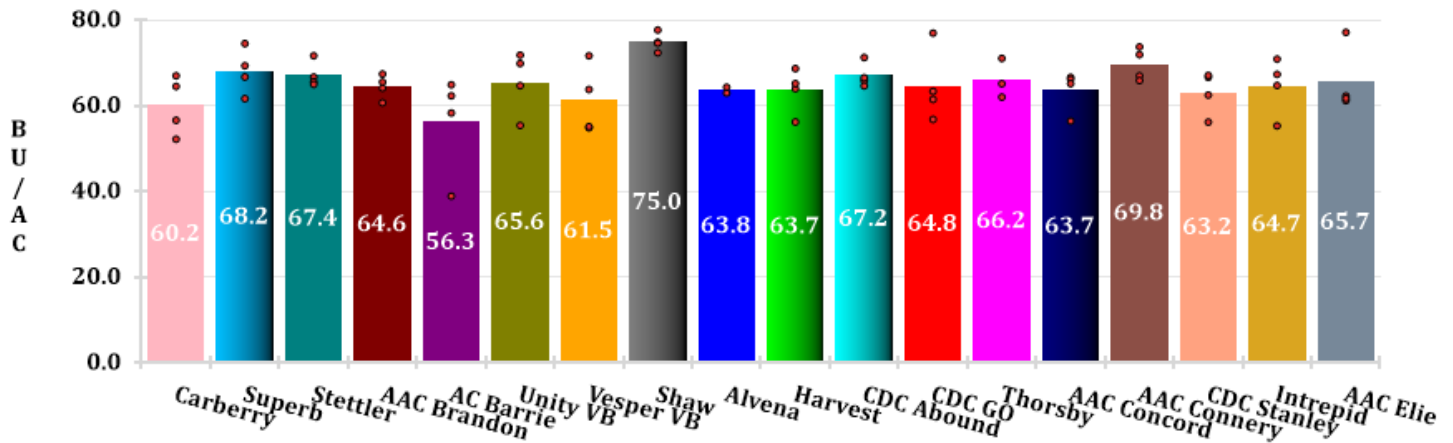
### Additional Measured Elements

Date	Element	Quantity	Unit
May-4-2016	46-0-0-0 (Urea)	104	#/ac
May-4-2016	11-52-0-0 (Phosphorus)	76	#/ac

### Moisture and Weather Conditions

**Overall Moisture Conditions:** DRWEWE dry-wet-wet  
**Closest Weather Station:** NPARA **Distance, Unit:** 0.5 km  
 See the weather report tab for more information.

## 2016 WESTERN RED SPRING WHEAT



**AOV Means Table**

Rating Data Type	MOICON %	YIELD g	YIELD BU/AC
Entry No.	1	2	3
Entry Name			
1 Carberry	15.90b-e	4604.38a	60.2a
2 Superb	16.13bcd	5240.13a	68.2a
3 Stettler	16.15bcd	5175.50a	67.4a
4 AAC Brandon	16.20bcd	4962.88a	64.6a
5 AC Barrie	15.38cde	4280.88	56.3
6 Unity VB	14.70cde	4952.00a	65.6a
7 Vesper VB	15.00cde	4659.88a	61.5a
8 Shaw	15.83b-e	5738.63a	75.0a
9 Alvena	15.25cde	4846.50a	63.8a
10 Harvest	15.25cde	4836.63a	63.7a
11 CDC Abound	18.70a	5323.25a	67.2a
12 CDC GO	15.88b-e	4962.13a	64.8a
13 Thorsby	14.47de	4984.33a	66.2a
14 AAC Concord	15.50b-e	4857.63a	63.7a
15 AAC Connery	16.28bc	5366.25a	69.8a
16 CDC Stanley	14.20e	4746.50a	63.2a
17 Intrepid	15.90b-e	4955.25a	64.7a
18 AAC Elie	17.15b	5108.38a	65.7a
LSD P=.05	1.004	601.294	7.87
Standard Deviation	0.706	422.202	5.53
CV	4.48	8.41	8.42
Bartlett's X2	37.884	16.352	14.435
P(Bartlett's X2)	0.001*	0.429	0.566
Skewness	0.7931*	-0.0496	-0.1001
Kurtosis	0.2205	-0.2764	-0.264
Replicate F	3.363	1.221	1.660
Replicate Prob(F)	0.0261	0.3129	0.1890
Treatment F	8.451	1.813	1.501
Treatment Prob(F)	0.0001	0.0595	0.1417

Rating Data Type

MOICON = moisture content

YIELD = yield

Rating Unit

% = percent

g = gram

BU = bushel

ARM Action Codes

TY1 = 0.0132766\*[2]\*(100-@MVAVGREP([1]))/85.5

Means followed by same letter or symbol do not significantly differ ( $P=0.05$ , Student-Newman-Keuls)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Missing data estimates are included in columns: Average=1,2,3