

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

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

**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 m<sup>2</sup> **Treatments:** 8  
**Replications:** 4  
**% Slope:** 1.0

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

**Trial Comments:** NPARA cereal trials in 2016 enjoyed good weather and health. Seeding was done in dry conditions and then there was adequate moisture the rest of the season. Even with wetter 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.

### 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

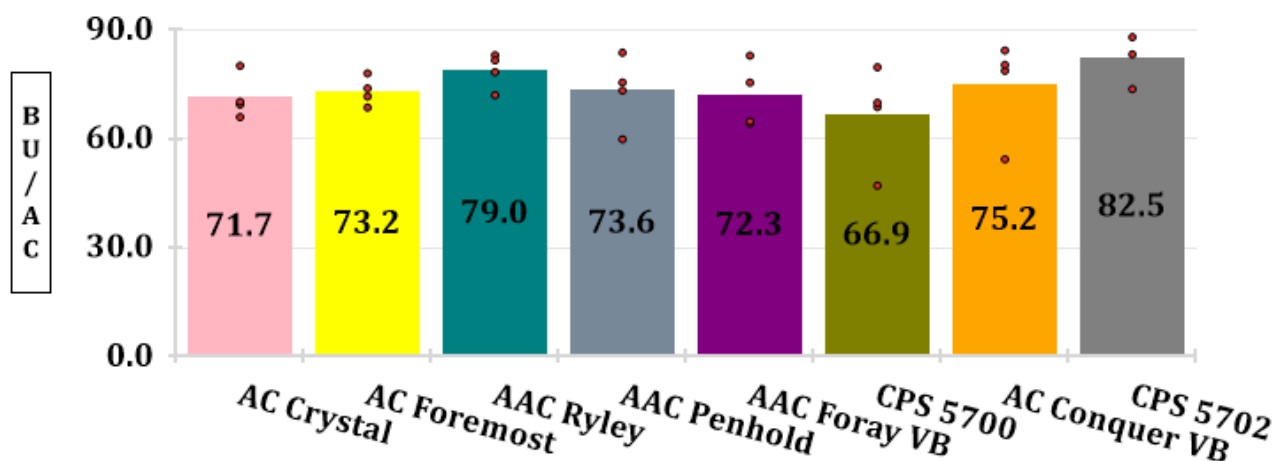
### Additional Measured Elements

Date	Element	Quantity	Unit
May-4-2016	46-0-0 (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 Prairie Spring Wheat



**AOV Means Table**

Crop Name	Spring cereals	YIELD	YIELD
Rating Data Type	MOICON	g	BU/AC
Rating Unit	%	1	1
Sample Size			
Entry No.	Entry Name	1	2
			3
	1AC Crystal	15.78	5473.88a
	2AC Foremost	14.50c	5508.00
	3AAC Ryley	14.90c	5966.00a
	4AAC Penhold	15.90b	5603.00a
	5AAC Foray VB	15.85b	5505.38a
	6CPS 5700	15.80b	5085.25a
	7AC Conquer VB	14.30c	5599.50a
	8CPS 5702	16.75a	6369.22a
LSD P=.05	0.680	1054.726	12.30 - 12.82
Standard Deviation	0.456	706.985	5.66t
CV	2.96	12.5	9.5t
Bartlett's X2	8.027	3.974	5.981
P(Bartlett's X2)	0.018*	0.68	0.542
Skewness	0.4812	-0.8906	-0.7035
Kurtosis	-0.7553	0.6794	0.5937
Replicate F	0.360	2.243	1.834
Replicate Prob(F)	0.7824	0.1203	0.1735
Treatment F	15.093	1.324	1.247
Treatment Prob(F)	0.0001	0.2999	0.3246

Rating Data Type

MOICON = moisture content

YIELD = yield

Rating Unit

% = percent

g = gram

BU = bushel

ARM Action Codes

TY1 = Arcsine square root percent([3])

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns:Yates=1,2,3