



Soft White 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

<p>Crop 1: TRZAS Triticum aestivum (spring) Description: Variety Trial</p> <p>Planting Rate, Unit: 24 P/FT2 Depth, Unit: 3 cm Row Spacing, Unit: 9 in</p> <p>Soil Temperature, Unit: 15 C Soil Moisture: DRY dry Seed Bed: FRITRA friable/trashy</p>	<p>Spring wheat</p> <p>Planting Date: May-4-2016 Planting Method: DRILLE drilled Planting Equipment: DD Disc Drill</p> <p>Harvest Date: Sep-13-2016 Harvested Width, Unit: 1.4 m Harvested Length, Unit: 8 m Harvest Equipment: plot harvester % Standard Moisture: 14.5</p>
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Site and Design

<p>Treated Plot Width: 1.4 m Treated Plot Length: 8 m Treated Plot Area: 11.2 m² Replications: 4 % Slope: 1.0</p>	<p>Site Type: FIELD field Experimental Unit: 1 PLOT plot Tillage Type: NOTILL no-till Study Design: RACOBL Randomized Complete Block (RCB)</p>	<p>Treatments: 2</p>
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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

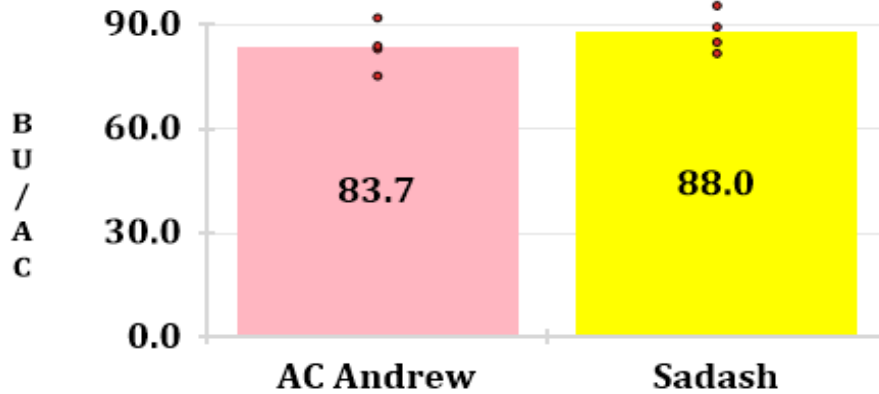
Date	Element	Quantity	Unit
May-4-2016	46-0-0-0 (Urea)	104	#/ac
May-4-2016	11-52-0-0 (Phosphorus)	76	#/ac

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.

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AOV Means Table

Crop Name	Spring cereals	YIELD	YIELD
Rating Data Type	MOICON	g	BU
Rating Unit	%		
Entry			
No. Name	1	2	3
1AC Andrew	15.90b	6402.63a	83.7a
2Sadash	16.87a	6797.63a	88.0a
LSD P=.05	0.940	544.487	7.26
Standard Deviation	0.268	241.959	3.23
CV	1.63	3.67	3.76
Bartlett's X2	3.139	0.017	0.054
P(Bartlett's X2)	0.076	0.895	0.817
Skewness	0.9389	0.1751	-0.0042
Kurtosis	0.2284	0.2773	-0.0912
Replicate F	2.116	7.800	6.896
Replicate Prob(F)	0.3209	0.0628	0.0735
Treatment F	19.558	5.330	3.642
Treatment Prob(F)	0.0475	0.1042	0.1524

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=.05, Student-Newman-Keuls)

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

Excluded replicate 4 in column 1