



Western Hard 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

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

Site and Design

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

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

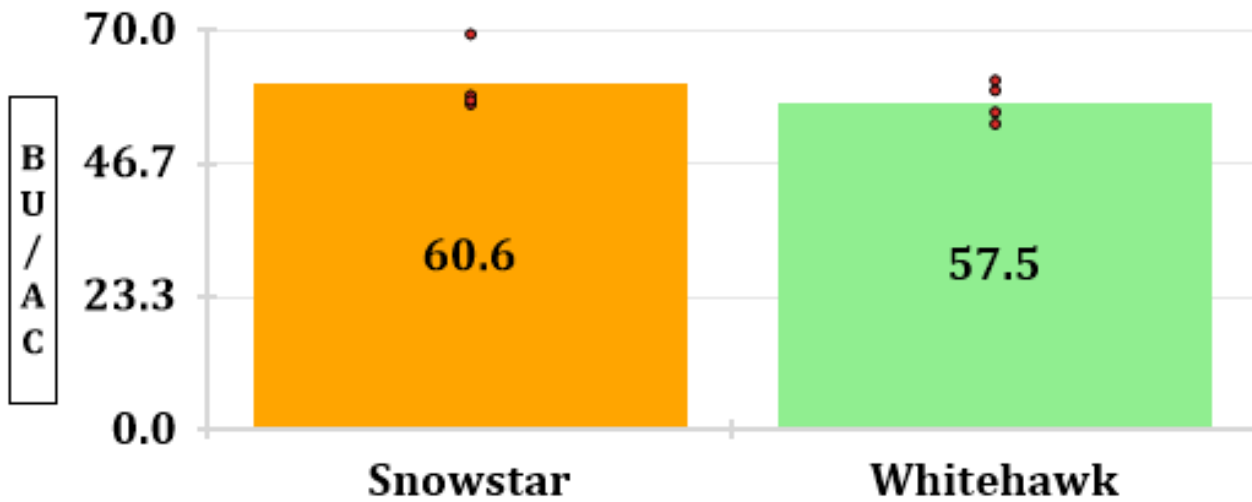
Additional Measured Elements

Date	Element	Quantity	Unit
May-4-2016	46-0-0 (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

Rating Data Type	MOICON	YIELD	YIELD
Rating Unit	%	g	BU/AC
Entry	1	2	3
No. Name			
1 Snowstar	16.13a	4653.65a	60.6a
2 Whitehawk	15.03a	4361.07a	57.5a
LSD P=.05	1.551	520.238 - 548.884	6.33 - 6.71
Standard Deviation	0.442	0.023t	0.02t
CV	2.83	0.63t	1.18t
Bartlett's X2	0.289	0.44	0.46
P(Bartlett's X2)	0.591	0.507	0.498
Skewness	0.2142	1.2884	1.3608
Kurtosis	-1.9942	2.8993	2.7651
Replicate F	0.060	3.519	4.026
Replicate Prob(F)	0.9435	0.1645	0.1413
Treatment F	9.308	3.039	2.245
Treatment Prob(F)	0.0927	0.1796	0.2310

Rating Data Type
 MOICON = moisture content
 YIELD = yield
Rating Unit
 % = percent
 g = gram
 BU = bushel
ARM Action Codes
 TY1 = LOG([3]+ 1)

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.