



General Purpose 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 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</p>	<p>Spring wheat 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</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Site and Design

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

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 KWS General Purpose varieties were provided by SeCan (Trent Whiting) and their agronomic characteristics were impressive; they stood well and we saw no leaf disease. They are awnless, long-season, high-yield materials.

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

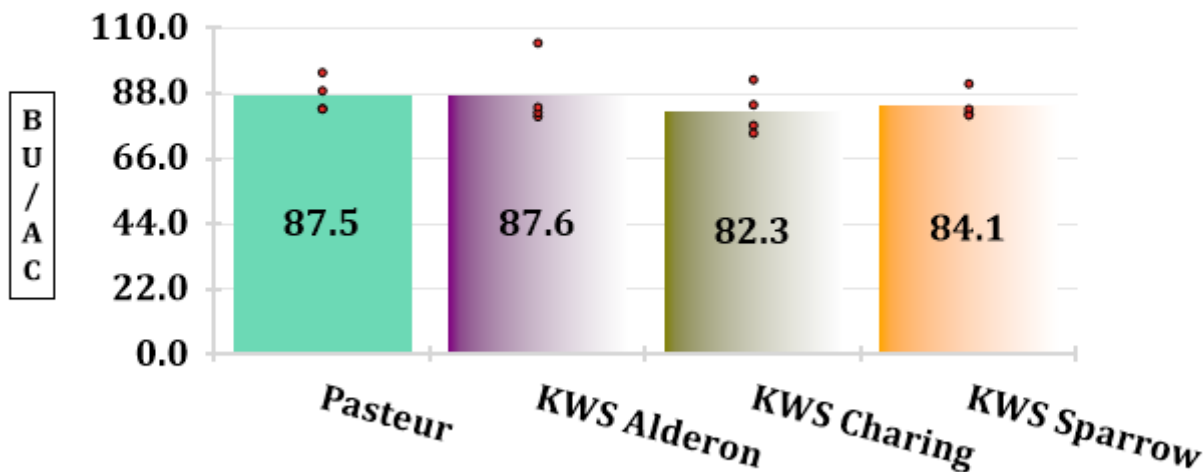
Date	Element	Quantity	Unit
May-4-2016	46-0-0-0 (Urea)	104	#/ac
May-4-2016	11-52-0-0 (Phosphorus)	76	#/ac

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 General Purpose Wheat Variety



AOV Means Table

Crop Name	Spring cereals		
Rating Data Type	MOICON	YIELD	YIELD
Rating Unit	%	g	BU/AC
Entry No.	Entry Name	1	2
			3
	2Pasteur	16.30bc	6733.25a
	3KWS Alderon	18.00a	6883.50a
	4KWS Charing	15.20c	6247.75a
	5KWS Sparrow	17.10ab	6530.88a
LSD P=.05	0.909	875.810	11.30
Standard Deviation	0.590	568.467	7.33
CV	3.58	9.08	9.04
Bartlett's X2	12.229	4.327	3.651
P(Bartlett's X2)	0.001*	0.364	0.455
Skewness	-0.0824	-0.0757	-0.1457
Kurtosis	-1.2374	0.4173	0.3385
Replicate F	1.153	1.125	1.216
Replicate Prob(F)	0.3676	0.3777	0.3461
Treatment F	13.506	7.908	7.243
Treatment Prob(F)	0.0002	0.0023	0.0033

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.