

NPARA**NP17-35 GP-SP Wheat VT**

Trial ID:NP17-35 GP-SP Wheat VT Location:NPARA Trial Year:2017
 Protocol ID:NP17-35 GP-SP Wheat VT Investigator:Tom Fromme
 Crop:Wheat Study Director:
 Project ID:NP17-35 GP-SP Wheat VT Sponsor Contact:

General Trial Information

Investigator:Tom Fromme **Title:**Research Coordinator

Trial Location

City:North Star **Country:**CAN Canada
State/Prov.:Alberta
Postal Code:T0H 2T0 **Climate Zone:**USMOU US Mountain

Conducted Under GLP:No
Conducted Under GEP:No

Investigator:Tom Fromme **Title:**Research Coordinator
Organization:North Peace Applied Research Association
Address:Box 750 **Phone No.:**(780) 836-3354
City+State/Prov:Manning
Postal Code:T0H 2M0 **E-mail:**tom@npara.ca
Country:CAN Canada

Crop Description

Crop 1:TRZAS Triticum aestivum (spring) Spring wheat
BBCH Scale:BCER

Depth, Unit:1.38 in
Row Spacing, Unit:9 in
Planting Density, Unit:24 P/FT2
Soil Temperature, Unit:43 F

Planting Date:5/11/2017
Planting Method:DRILLE drilled
Planting Equipment:DD Disc Drill
Emergence Date:5/23/2017
Harvest Date:9/1/2017
Harvested Width, Unit:1.4 m
Harvested Length, Unit:7.5 m
Harvest Equipment:plot harvester
% Standard Moisture:14.5

Site and Design

Treated Plot Width:1.4 m
Treated Plot Length:8 m
Treated Plot Area:11.2 m2 **Treatments:**4 **Tillage Type:**NOTILL no-till
Replications:4 **Study Design:**RACOB L Randomized Complete Block (RCB)

Maintenance

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Tank Mix Code	Tank Mix
1.	5/18/2017	MAINT	Heat LQ				59	mL/A	Y	yes
2.	5/18/2017	MAINT	Merge				200	mL/A	Y	yes
3.	5/18/2017	MAINT	Roundup Transorb				200	mL/A	Y	yes
4.	6/13/2017	HERB	Lontrel				170	mL/A		
5.	6/13/2017	HERB	2,4-D Amine	4	LBA/GAL	L	113	mL/A		
6.	6/26/2017	HERB	Prestige A				0.17	L/A		
7.	6/26/2017	HERB	Prestige B				0.8	L/A		

Field Prep./Maintenance:

May 29, 2017: 150lbs/A urea broadcast, 80lbs/A 11-52-0 broadcast

June 12, 2017: 60mL/A Decis around perimeter

June 26, 2017: 1.5gal/A G22, 1.5gal/A HKW

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Rating Date	9/5/2017	9/5/2017	6/22/2017			
Rating Data Type	MOISTURE	WEIGHT	YIELD	PROTEIN	MOISTURE	TEST WT
Rating Unit	%	g	BU	%	%	Lbs/Bu
Sample Size		1	1			
Sample Size Unit		PLOT	A			
Number of Subsamples	1	1	1	1	1	1
Days After Emergence	105 DE-1	105 DE-1	105 DE-1			
Number of Decimals			1			
Entry No.	2	3	4	6	7	8
Entry Name						
1KWS Alderon	16.7a	3989.0a	55.1a	10.5	14.7	62.5
2KWS Charing	14.1b	3744.3a	53.3a	11.1	13.9	63.7
3KWS Sparrow	15.9a	3796.2a	52.9a	10.7	14.0	64.2
4Pasteur	13.6b	3005.0a	43.0a	12.9	13.0	65.1
LSD P=.05	1.44 - 1.58	805.61	11.78	.	.	.
Standard Deviation	0.02t	494.06	7.23	.	.	.
CV	2.07t	13.6	14.15	.	.	.
Bartlett's X2	7.475	3.275	3.524	.	.	.
P(Bartlett's X2)	0.058	0.351	0.318	.	.	.
Skewness	0.8219	0.4819	0.5376	1.704	-0.4241	-0.3952
Kurtosis	-0.693	-1.0026	-0.9197	2.9222	1.5	0.2709
Replicate F	4.243	2.782	2.751			
Replicate Prob(F)	0.0453	0.1099	0.1123			
Treatment F	9.786	3.060	2.286			
Treatment Prob(F)	0.0047	0.0915	0.1556			

Rating Data Type
 MOICON = moisture content
 WEIGHT = weight
 YIELD = yield
 PROCON = protein content

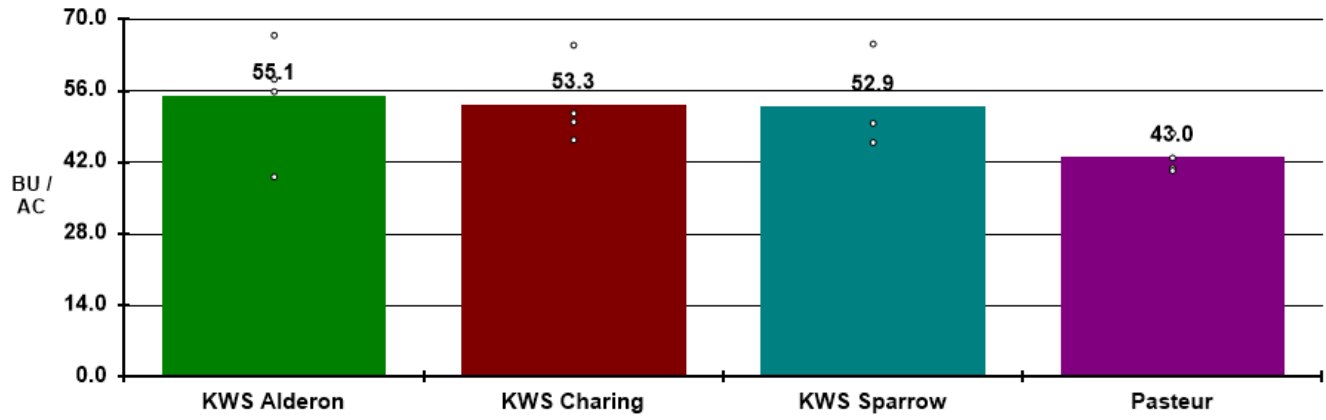
Rating Unit
 % = percent
 g = gram
 BU = bushel

Sample Size Unit
 PLOT = total plot
 A = acre

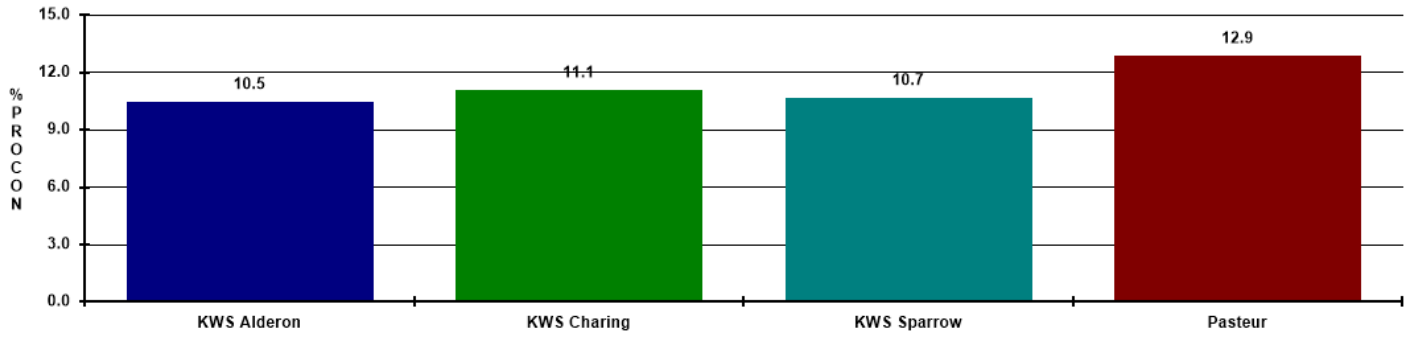
ARM Action Codes
 TY1 = 0.0141617*[C3]*(100-@MVAVGREP([C2]))/85.5

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=2,3,4
 Could not calculate LSD (% mean diff) for columns 6,7,8 because error mean square = 0.

2017 GP-SP Wheat Variety Trial Yield



GP-SP Wheat Variety Protein



GP-SP Wheat Variety Test Weight

