

# NPARA

NP17-34 CWSWS Wheat VT	
Trial ID:NP17-34 CWSWS Wheat VT	Location:NPARA Trial Year:2017
Protocol ID:NP17-34 CWSWS Wheat VT	Investigator:Tom Fromme
Crop:Wheat	Study Director:
Project ID:NP17-34 CWSWS 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
	Planting Date:5/11/2017
	Planting Method:DRILLE drilled
	Planting Equipment:CP Cone Planter
	Emergence Date:5/23/2017
Depth, Unit:1.38 in	Harvested Width, Unit:1.4 m
Row Spacing, Unit:9 in	Harvested Length, Unit:7.5 m
Planting Density, Unit:24 P/FT2	Harvest Equipment:plot harvester
Soil Temperature, Unit:43 F	% Standard Moisture:14.5

Site and Design	
Treated Plot Width:1.4 m	Tillage Type:NOTILL no-till
Treated Plot Length:7.5 m	
Treated Plot Area:10.5 m2	Treatments:5
Replications:4	Study Design:RACOBL 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: 60 mL/A Decis sprayed 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	9/5/2017				
Rating Data Type	MOICON	WEIGHT	YIELD	PROCON	MOICON	TEST WT	
Rating Unit	%	g	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.	Entry Name						
		2	3	4	6	7	8
	1AC Andrew	15.1b	4167.5b	58.6b	11.7	14.2	64.1
	2AAC Indus (SWS427)	19.3a	5636.3a	75.3a	10.9	15.8	64.8
	3AAC Paramount (SWS427)	15.6b	5249.8a	73.3a	11.2	15.6	64.5
	4AAC Awesome (GP151)	16.3b	4844.3ab	67.1ab	11.9	14.5	64.8
	5Sadash	15.6b	4940.3ab	69.1ab	11.3	14.5	65.3
LSD P=.05	1.09 - 1.28	767.15	10.56	.	.	.	.
Standard Deviation	0.02t	497.94	6.86	.	.	.	.
CV	1.49t	10.02	9.98	.	.	.	.
Bartlett's X2	1.556	2.85	3.121	.	.	.	.
P(Bartlett's X2)	0.817	0.583	0.538	.	.	.	.
Skewness	0.9455	-0.5342	-0.7405	0.1172	0.5168	-0.1611	
Kurtosis	0.6797	1.2438	1.1319	-1.418	-2.8489	0.9277	
Replicate F	15.358	4.487	4.877				
Replicate Prob(F)	0.0002	0.0248	0.0192				
Treatment F	18.709	4.771	3.592				
Treatment Prob(F)	0.0001	0.0155	0.0379				

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

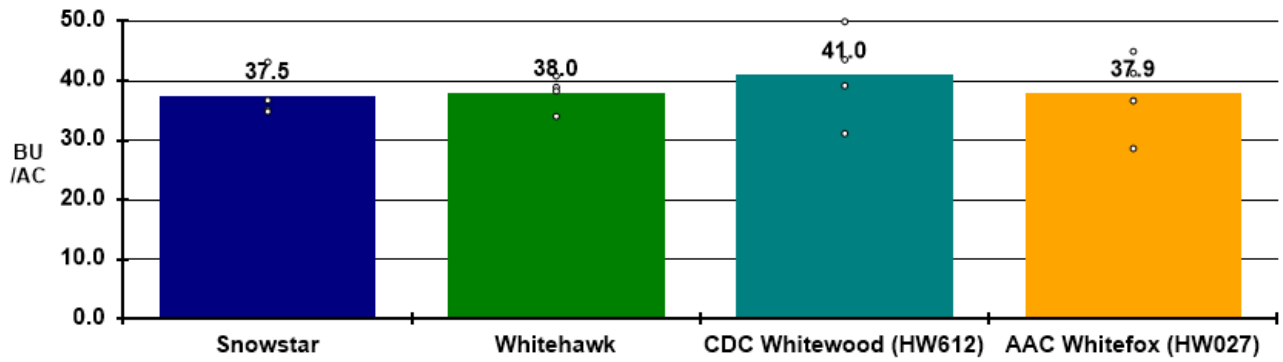
Rating Unit  
 % = percent  
 g = gram  
 BU = bushel

Sample Size Unit  
 PLOT = total plot  
 A = acre

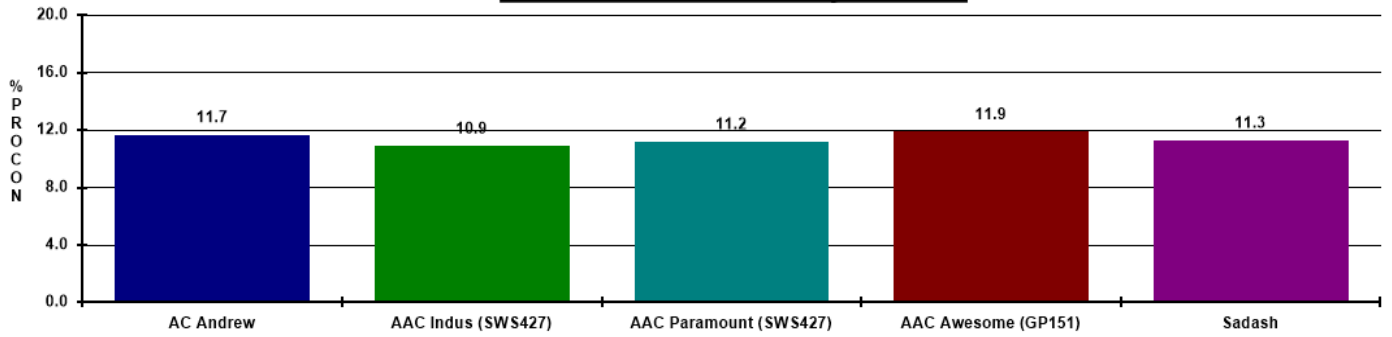
ARM Action Codes  
 TY1 = 0.0141617\*[C3]\*(100-[C2])/85.5

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

### 2017 CWHWS Wheat Variety Trial Yield



### CWSWS Wheat Variety Protein



### CWSWS Wheat Variety Test Weight

