

**NPARA****NP17-33 CWRS Wheat VT**

Trial ID:NP17-33 CWRS Wheat VT Location:NPARA Trial Year:2017  
 Protocol ID:NP17-33 CWRS Wheat VT Investigator:Tom Fromme  
 Crop:Wheat Study Director:  
 Project ID:NP17-33 CWRS 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:**DD Disc Drill  
**Emergence Date:**5/23/2017  
**Harvest Date:**8/31/2017  
**Harvested Width, Unit:**1.4 m  
**Harvested Length, Unit:**7.5 m  
**Harvest Equipment:**plot harvester  
**% Standard Moisture:**14.5

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

**Site and Design**

**Treated Plot Width:**1.4 m  
**Treated Plot Length:**8 m  
**Treated Plot Area:**11.2 m<sup>2</sup> **Treatments:**24 **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: 200lbs/A urea broadcast, 80lbs/A 11-52-0

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

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

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Rating Date	9/1/2017	9/1/2017	9/1/2017				
Rating Data Type	MOISTURE	WEIGHT	YIELD	PROTEIN	MOISTURE	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	101 DE-1	101 DE-1	101 DE-1				
Number of Decimals			1	1		1	
Entry No.	Entry Name	2	3	4	6	7	8
1	Carberry	14.8a	3314.0a	46.6a	16.3	13.0	65.1
2	Superb	15.3a	3774.8a	52.8a	16.5	13.0	64.8
3	Stettler	13.9a	4561.5a	65.0a	16.8	12.9	65.0
4	AAC Brandon	12.9a	3312.5a	47.8a	16.8	13.1	65.0
5	AAC Redwater	12.5a	3381.8a	49.0a	16.4	12.8	64.6
6	AC Barrie	13.5a	3488.5a	49.9a	17.0	13.0	64.9
7	CDC Alsask	13.8a	4151.8a	59.2a	17.1	12.8	63.3
8	AC Unity VB	13.1a	4234.0a	60.9a	16.4	12.8	64.6
9	AC Vesper VB	13.3a	3918.3a	56.3a	17.1	12.7	64.1
10	AC Shaw VB	13.3a	4309.5a	61.9a	16.4	13.2	65.4
11	AAC Jatharia VB (BW483)	13.6a	4370.5a	62.5a	16.4	13.6	65.7
12	Alvena	12.9a	3395.0a	49.0a	17.4	13.3	63.8
13	Harvest	12.6a	3476.8a	50.3a	15.7	13.0	65.0
14	CDC Abound	14.0a	3748.3a	53.3a	17.3	12.7	64.3
15	CDC GO	13.3a	3162.8a	45.3a	16.3	12.7	63.5
16	Thorsby	14.1a	3835.5a	54.5a	16.4	12.8	64.3
17	AAC Concord	13.6a	3947.0a	56.2a	15.2	13.1	63.9
18	AAC Connery	14.4a	3485.0a	49.3a	17.1	13.6	63.8
19	CDC Stanley	15.6a	3687.8a	51.4a	16.1	12.9	64.3
20	AC Intrepid	13.3a	3395.0a	48.8a	16.8	13.7	63.2
21	AAC Elie	13.8a	3756.8a	53.6a	16.4	13.1	65.1
22	CDC Landmark	12.9a	3502.8a	50.5a	16.8	12.8	65.6
23	CDC Plentiful	14.0a	3548.3a	50.5a	15.7	13.4	64.5
24	AAC Viewfield	12.9a	3755.0a	54.1a	16.3	13.3	65.9
LSD P=.05	2.21	863.04	11.48	.	.	.	
Standard Deviation	1.57	611.81	8.14	.	.	.	
CV	11.51	16.4	15.28	.	.	.	
Bartlett's X2	73.053	27.641	29.798	.	.	.	
P(Bartlett's X2)	0.001*	0.23	0.155	.	.	.	
Skewness	2.1845*	0.2812	0.26	-0.5636	0.8006	-0.0877	
Kurtosis	5.2725*	-0.0777	-0.1034	0.4868	-0.2555	-0.6925	
Replicate F	1.867	3.122	3.477				
Replicate Prob(F)	0.1433	0.0314	0.0205				
Treatment F	1.037	1.510	1.734				
Treatment Prob(F)	0.4348	0.0969	0.0417				

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

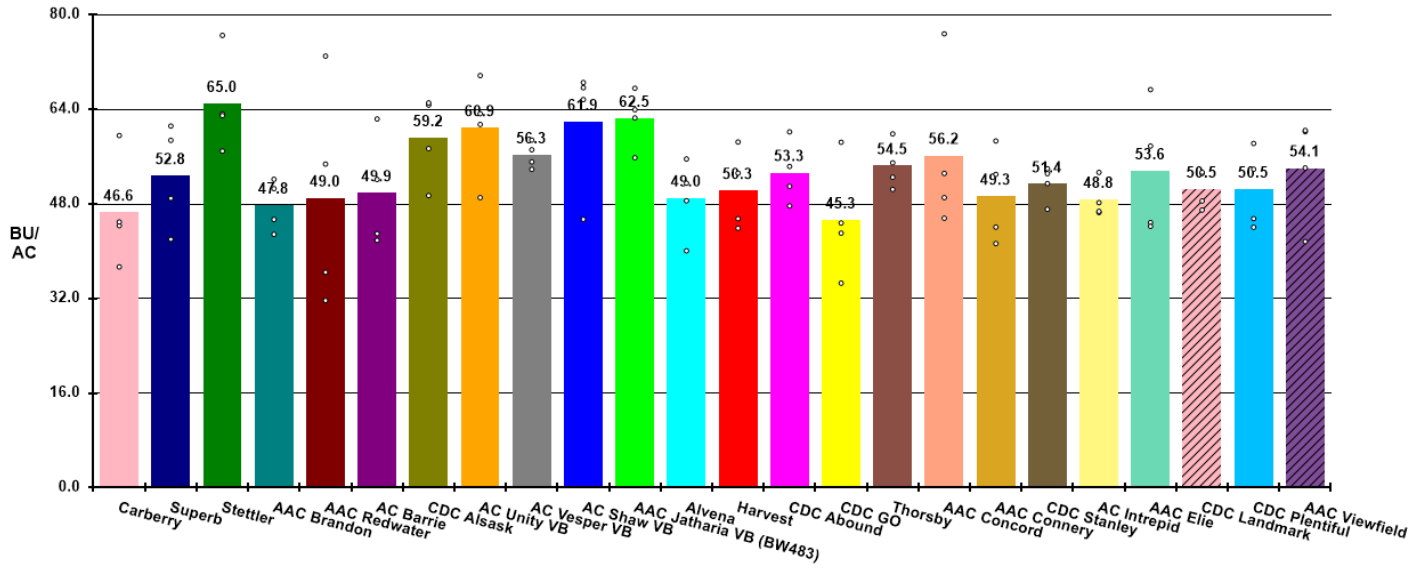
Rating Unit  
 % = percent  
 g = gram  
 BU = bushel

Sample Size Unit  
 PLOT = total plot  
 A = acre

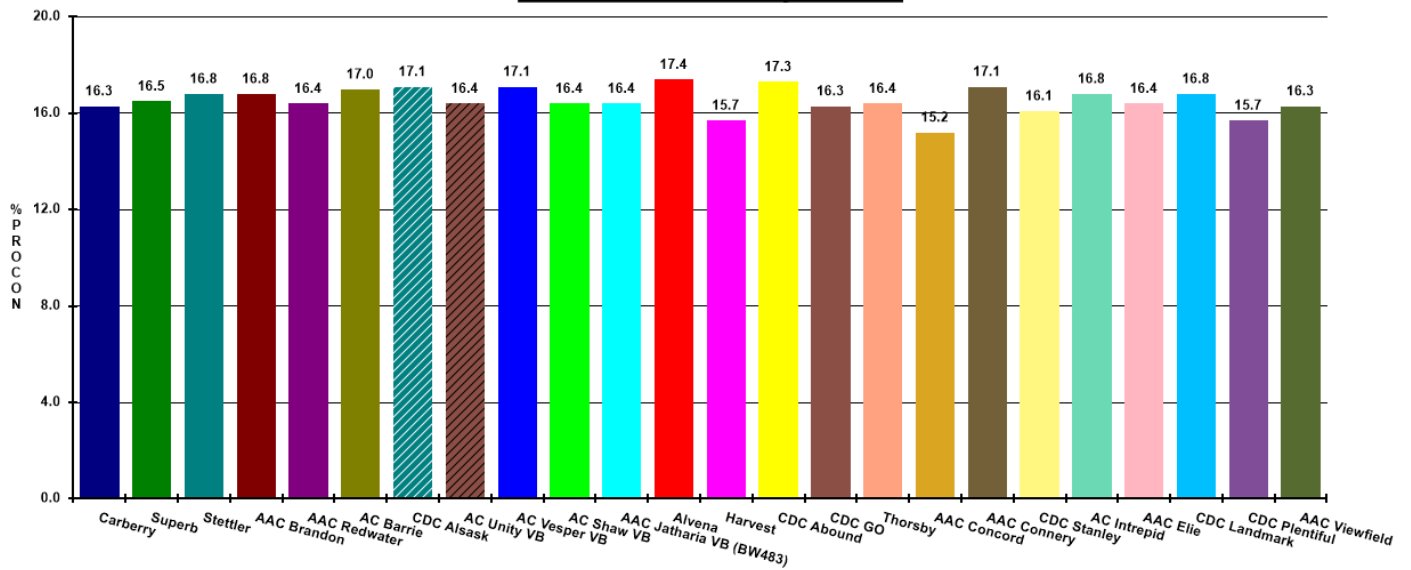
ARM Action Codes  
 TY1 = 0.0141617\*[3]\*(100-[2])/85.5

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

## 2017 CWRS Wheat Variety Trial Yield



## CWRS Wheat Variety Protein



## 2017 CWRS Wheat Variety Test Weight

