

NPARA**NP17-31 CPS Wheat VT**

Trial ID:NP17-31 CPS Wheat VT Location:NPARA Trial Year:2017
 Protocol ID:NP17-31 CPS Wheat VT Investigator:Tom Fromme
 Crop:Wheat Study Director:
 Project ID:NP17-31 CPS 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:7.5 m
Treated Plot Area:10.5 m² **Treatments:**10 **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.	5/21/2017	MAINT	Heat LQ				59	mL/A	Y	yes
2.	5/21/2017	MAINT	Merge				200	mL/A	Y	yes
3.	5/21/2017	MAINT	Roundup Transorb				750	mL/A	Y	yes
4.	6/13/2017	HERB	Lontrel				170	mL/A	Y	yes
5.	6/13/2017	HERB	2,4-D Amine	4	LBA/GAL	L	113	mL/A	Y	yes
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: 160lbs/A urea broadcast, 80lbs/A 11-52-0 broadcast

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

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

NPARA

NP17-31 CPS Wheat VT

Trial ID:NP17-31 CPS Wheat VT Location:NPARA Trial Year:2017
 Protocol ID:NP17-31 CPS Wheat VT Investigator:Tom Fromme
 Crop:Wheat Study Director:
 Project ID:NP17-31 CPS Wheat VT Sponsor Contact:

Rating Date	9/5/2017	9/5/2017	9/5/2017			
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	1	1	1
Entry No.	2	3	4	6	7	8
1AC Crystal	13.3bc	3745.8ab	53.8ab	14.9	13.4	64.2
2CPS 5700	16.4a	3496.0ab	48.4ab	14.0	13.9	65.4
3SY 985	13.8bc	3167.8ab	45.2ab	15.5	13.0	63.3
4AC Conquer VB	13.1bc	2722.0b	39.2b	15.4	13.1	62.3
5CPS 5702	13.8bc	3945.0a	56.3ab	13.7	13.4	62.7
6BW968	12.9c	3942.3a	56.9a	15.1	13.1	65.8
7AC Foremost	13.2bc	3598.3ab	51.7ab	14.8	12.8	64.3
8AAC Ryley	12.9c	3877.0a	55.9ab	14.5	13.1	63.1
9AAC Penhold	13.8bc	2853.3ab	40.7ab	15.4	12.8	63.2
10AAC Foray VB	14.6b	3307.8ab	46.8ab	15.0	13.6	62.8
LSD P=.05	0.98 - 1.15	720.29	10.44	.	.	.
Standard Deviation	0.02t	496.45	7.20	.	.	.
CV	1.75t	14.33	14.54	.	.	.
Bartlett's X2	13.248	1.89	2.179	.	.	.
P(Bartlett's X2)	0.152	0.993	0.988	.	.	.
Skewness	1.7826*	-0.1966	-0.2004	-0.8547	0.6901	0.7924
Kurtosis	4.9096*	-0.1865	-0.2818	-0.175	-0.0531	-0.4407
Replicate F	5.547	5.118	4.490			
Replicate Prob(F)	0.0042	0.0062	0.0111			
Treatment F	8.661	3.182	3.219			
Treatment Prob(F)	0.0001	0.0094	0.0089			

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

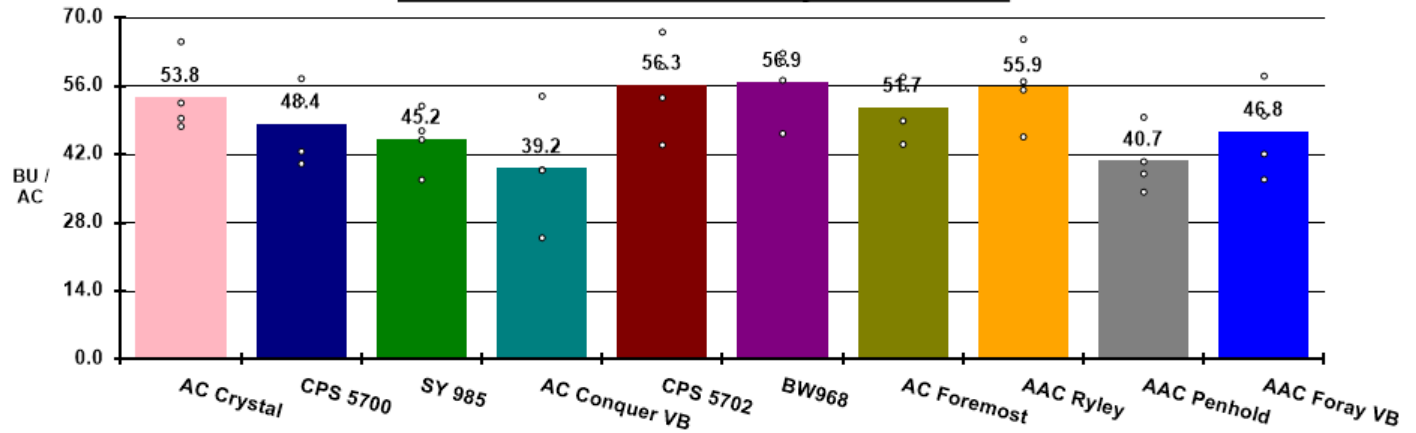
Rating Unit
 % = percent
 g = gram
 BU = bushel

Sample Size Unit
 PLOT = total plot
 A = acre

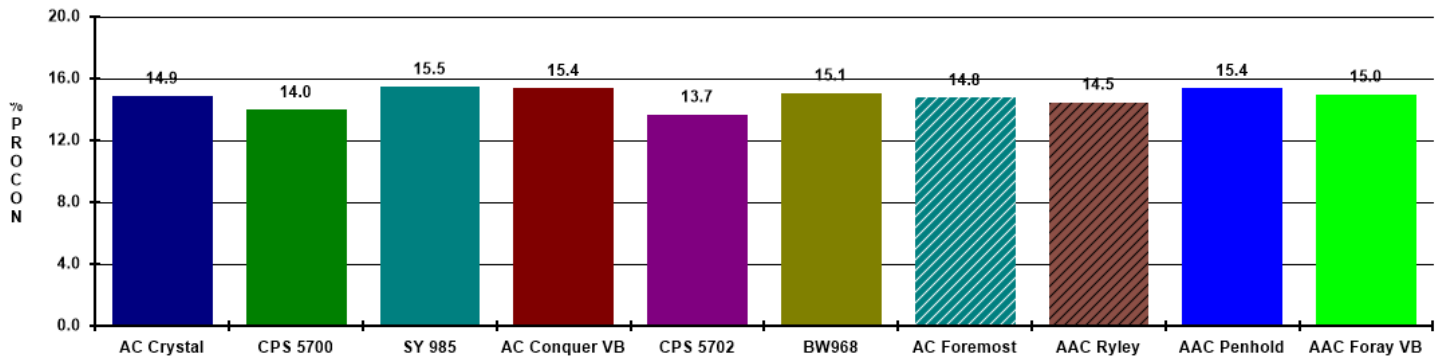
ARM Action Codes
 TY1 = 0.0141617*[C3]*(100-[C2])/85.5

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 CPS Wheat Variety Trial Yield



CPS Wheat Variety Protein



CPS Wheat Variety Test Weight

