

Site and Design

Treated Plot Width:1.4 m **Site Type:**FIELD field
Treated Plot Length:8 m **Experimental Unit:**1 PLOT plot
Treated Plot Area:11.2 m² **Treatments:**36 **Tillage Type:**NOTILL no-till
Replications:4 **Study Design:**RACOBL Randomized Complete Block (RCB)
% Slope:1.0

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. Due to the high number of wheat varieties tested we separated them into their various classifications, e.g. Prairie Spring, General Purpose, etc. It may be helpful to producers to look at this same data in those reports.

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

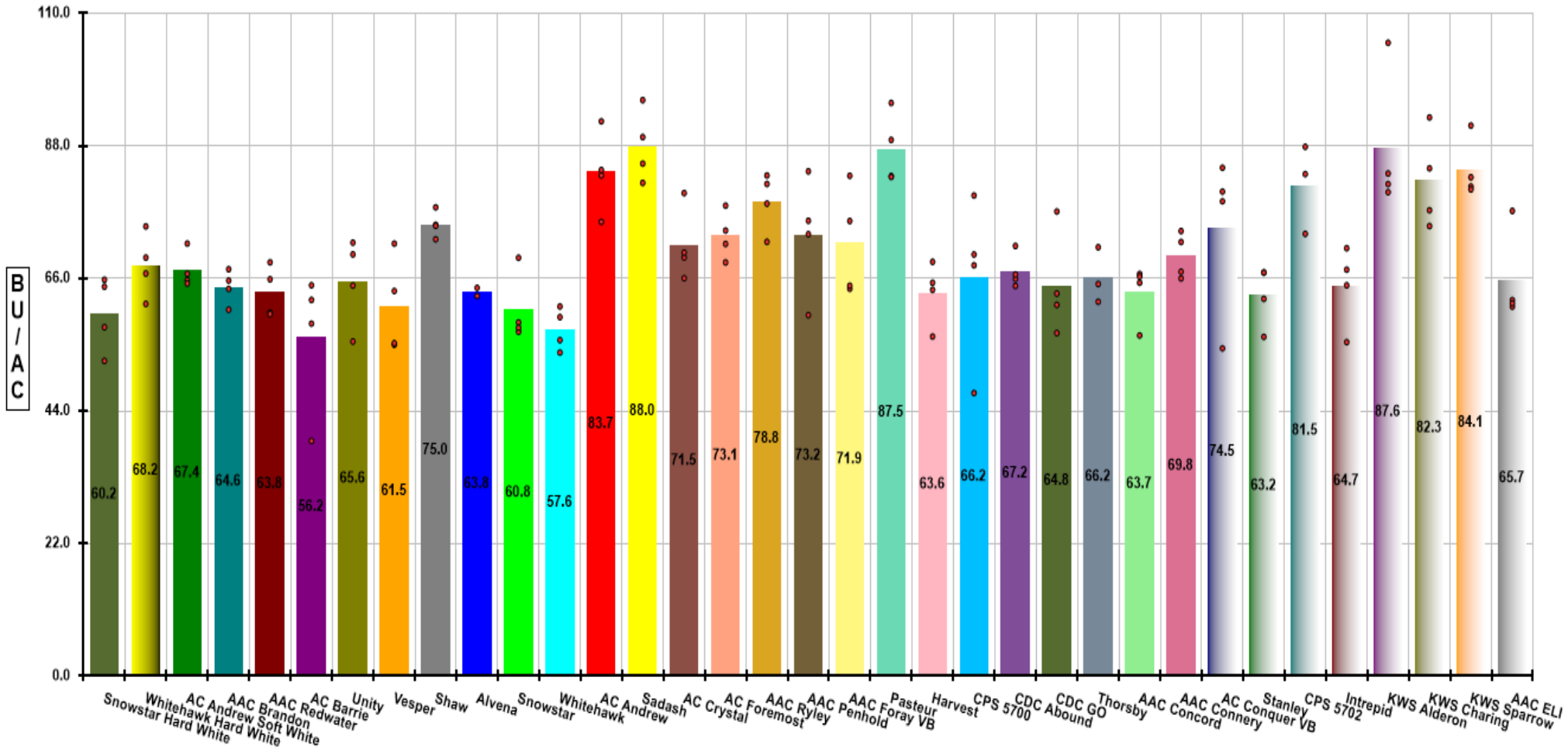
Moisture and Weather Conditions

Overall Moisture Conditions:DRWEWE dry-wet-wet

Closest Weather Station:NPARA

Distance:0.5 km
Unit:

2016 Wheat Variety Trial



AOV Means Table

Rating Date	May-30-2016	May-30-2016	Sep-14-2016	Sep-14-2016	Sep-14-2016
Rating Data Type	EMERGE	EMERGE	moicon	yield	YIELD
Rating Unit	MROW	MROW	%	g	BU/AC
Sample Size	1				1
Entry No.	1	2	5	6	7
Name					
1Carberry	43.8a	40.3a	14.20a	4604.38gh	60.2gh
2Superb	47.0a	51.8a	15.30a	5240.13d-h	68.2b-h
3Stettler	37.8a	41.0a	15.90a	5175.50d-h	67.4c-h
4Stettler trt	51.5a	53.5a			
5AAC Brandon	50.3a	56.8a		4962.88fgh	64.6e-h
6AAC Redwater	45.3a	56.0a	14.50a	4892.75fgh	63.8fgh
7AC Barrie	40.0a	38.5a	15.50a	4685.66fgh	56.2h
8Unity	36.3a	47.0a		4952.00fgh	65.6d-h
9Vesper	55.0a	44.5a	15.10a	4659.88fgh	61.5fgh
10Shaw	51.0a	48.8a	16.10a	5738.63a-g	75.0a-g
11Alvena	47.5a	45.8a	15.25a	4846.50	63.8
12Snowstar	46.0a	37.3a	16.35a	4669.25fgh	60.8fgh
13Whitehawk	42.0a	38.5a	14.90a	4367.38h	57.6gh
14AC Andrew	43.3a	42.5a	15.70a	6402.63a-d	83.7abc
15Sadash	42.0a	43.8a	15.80a	6797.63a	88.0a
16AC Crystal	39.0a	40.5a	16.35a	5473.88c-h	71.5a-h
17AC Foremost	44.8a	41.8a		5508.00c-h	73.1a-h
18AAC Ryley	56.5a	53.8a		5966.00a-f	78.8a-f
19AAC Penhold	46.3a	45.0a		5894.94a-g	73.2a-h
20AAC Foray VB	48.8a	50.5a	16.10a	5505.38c-h	71.9a-h
21Pasteur	55.8a	53.3a		6733.25ab	87.5a
22Harvest	53.3a	50.5a	14.20a	4836.63fgh	63.6fgh
23CPS 5700	35.3a	39.0a	14.80a	5085.25e-h	66.2d-h
24CDC Abound	43.0a	43.0a		5323.25c-h	67.2c-h
25CDC GO	46.0a	45.3a	14.95a	4962.13fgh	64.8e-h
26Thorsby	39.0a	57.5a	14.10a	4938.28fgh	65.5d-h
27AAC Concord	51.5a	52.3a		4857.63fgh	63.7fgh
28AAC Connery	47.3a	44.3a	16.43a	5366.25c-h	69.8b-h
29AC Conquer VB	45.5a	46.3a		5599.50b-h	74.5a-g
30Stanley	44.5a	42.5a	13.90a	4746.50fgh	63.2fgh
31CPS 5702	44.5a	41.5a	17.90a	6331.08a-e	81.7a-e
32Intrepid	45.5a	50.8a		4955.25fgh	64.7e-h
33KWS Alderon	54.3a	48.3a		6883.50a	87.6a
34KWS Charing	48.5a	53.0a	15.10a	6247.75a-e	82.3a-d
35KWS Sparrow	41.8a	40.5a		6530.88abc	84.1ab

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.
Missing data estimates are included in columns: Yates=6,7; Average=5
Excluded replicate 1 in column 5

Rating Date	May-30-2016	May-30-2016	Sep-14-2016	Sep-14-2016	Sep-14-2016
Rating Data Type	EMERGE	EMERGE	moicon	yield	YIELD
Rating Unit	MROW	MROW	%	g	BU
Sample Size	1				1
Entry Entry					
No. Name	1	2	5	6	7
36AAC ELI	47.3a	50.5a	17.80a	5108.38e-h	65.7d-h
LSD P=.05	15.26	14.54	1.936	711.363	9.59
Standard Deviation	10.89	10.37	1.003	506.747	6.83
CV	23.66	22.29	6.47	9.36	9.71
Bartlett's X2	31.235	40.797	13.107	35.497	34.63
P(Bartlett's X2)	0.651	0.231	0.07	0.351	0.39
Skewness	0.4021	0.2655	0.688	0.5639*	0.3481
Kurtosis	0.3836	-0.1511	-0.1444	0.2188	0.2731
Replicate F	1.535	2.719	0.016	3.303	4.410
Replicate Prob(F)	0.2099	0.0483	0.9845	0.0236	0.0059
Treatment F	0.986	1.237	3.371	7.738	6.995
Treatment Prob(F)	0.5021	0.2043	0.0521	0.0001	0.0001

Rating Data Type

EMERGE = emergence
moicon = moisture content
YIELD = yield

Rating Unit

MROW = meter of row
% = percent
g = gram
BU = bushel

ARM Action Codes

TY1 = 0.0132766*[C6]*(100-@MVAVGREP([C5]))/85.5