Nov-21-2016

FEED Barley 2016

Location:NPARA Trial Year:2016
Investigator:Tom Fromme
Crop:Barley Study Director:
Sponsor Contact:

General Trial Information

Study Director: Nora Paulovich **Title:**Research Manager
Investigator: Tom Fromme **Title:**Research Coordinator

Discipline:S varietal screening
Trial Status:R Reviewed and reported

Trial Location

City: North Star **Country:**CAN Canada
State/Prov.: Alberta

Conducted Under GLP: No
Conducted Under GEP: No

Crop Description

Crop 1:HORVS Hordeum vulgare (spring) Spring barley
Description: Variety Trial

Planting Date: May-7-2016
Planting Rate, Unit: 22 P/FT2 **Planting Method:**DRILLE drilled
Depth, Unit:1.75 in **Planting Equipment:**DD Disc Drill
Row Spacing, Unit:9 in

Harvest Date: Sep-8-2016
Harvested Width, Unit:1.15 m
Soil Temperature, Unit:16 C **Harvested Length, Unit:**8 m
Harvest Equipment:plot harvester
% Standard Moisture:14.8

Site and Design

Treated Plot Width:1.4 m
Treated Plot Length:8 m PLOT plot
Treated Plot Area:11.2 m2 **Treatments:**13 **Tillage Type:**NOTILL no-till
Replications:4 **Study Design:**RACOBL Randomized Complete Block (RCB)

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.

Feed barley and malt barley varieties were combined in one field trial with four repetitions. This report segregates the feed barley data for comparison of like types. The dots on the graph indicate individual plot values.

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	

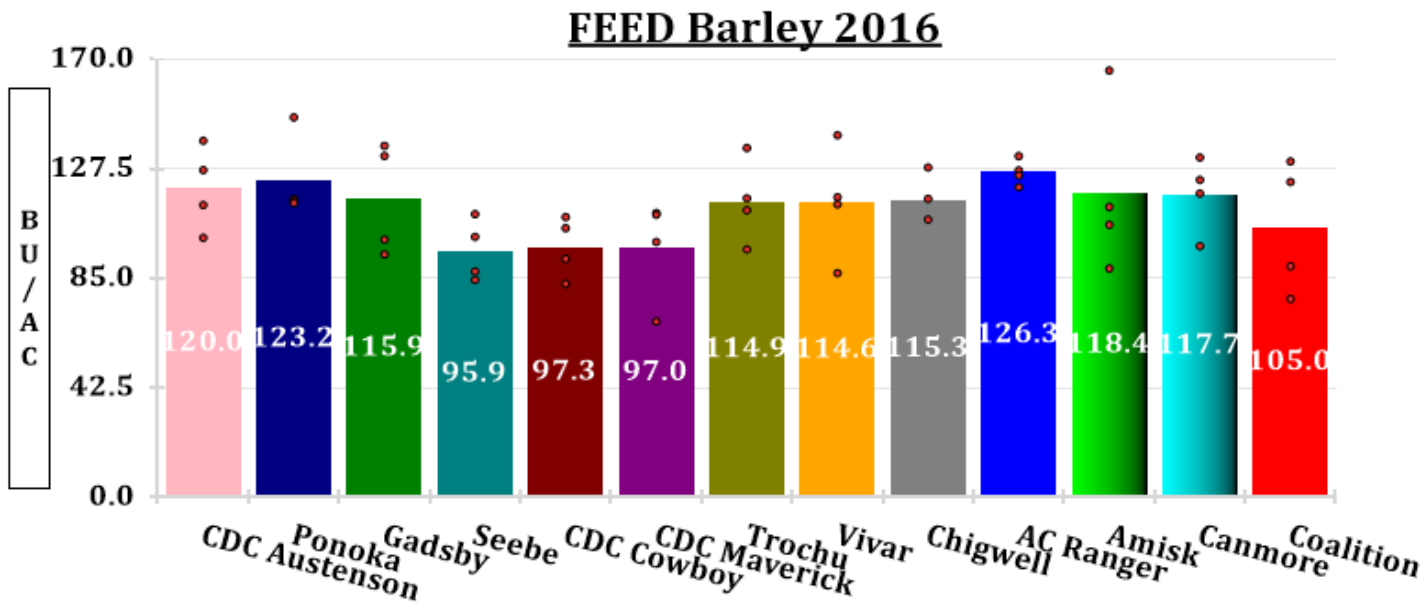
Comment: Alpine G22 06-22-06 @ 810 mL/A on June 21st

Additional Measured Elements

Date	Element	Quantity	Unit
May-7-2016	46-0-0-0 (UREA)	104	#/ac
May-7-2016	11-52-0-0 (Phosphorus)	76	#/ac

Moisture and Weather Conditions

Overall Moisture Conditions:DRWEWE dry-wet-wet
Closest Weather Station:NPARA **Distance, Unit:**0.5 km
See the weather report tab for more information.



AOV Means Table

Rating Data Type Rating Unit	MOICON %	WEIGHT g	YIELD BU/AC	TEST WT LB/BU
Entry Entry No. Name	1	2	3	4
1CDC Austenson	15.90c	6017.25a	120.0a	50.980
2Ponoka	15.28de	6132.38a	123.2a	51.560
3Gadsby	15.90c	5812.88a	115.9a	50.850
4Seebe	15.90c	4808.25a	95.9a	52.260
5CDC Cowboy	16.30b	4901.50a	97.3a	50.070
6CDC Maverick	16.60a	4903.13a	97.0a	50.270
7Trochu	15.10de	5708.88a	114.9a	42.060
8Vivar	15.90c	5747.95a	114.6a	42.070
9Chigwell	15.00e	5721.07a	115.3a	46.040
10AC Ranger	15.10de	6272.38	126.3a	45.440
11Amisk	15.00e	5872.00a	118.4a	41.910
12Canmore	15.90c	5903.88a	117.7a	49.300
13Coalition	15.40d	5232.63a	105.0a	49.250
LSD P=.05	0.240	1041.739	20.92	.
Standard Deviation	0.167	723.265	14.57	.
CV	1.07	13.0	12.96	.
Bartlett's X2	5.14	6.652	11.469	.
P(Bartlett's X2)	0.023*	0.827	0.489	.
Skewness	0.2928	0.2558	0.1246	-0.6744
Kurtosis	-1.0982	0.2145	0.2093	-1.2111
Replicate F	0.556	10.715	9.488	
Replicate Prob(F)	0.6476	0.0001	0.0001	
Treatment F	39.105	1.694	1.974	
Treatment Prob(F)	0.0001	0.1200	0.0584	

Rating Data Type
MOICON = moisture content
WEIGHT = weight
YIELD = yield
Rating Unit
% = percent
g = gram
BU = bushel
ARM Action Codes
TY10 = 0.02020351*[C2]*(100-@MVAVGREP([C1]))/85.2

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=1,2,3
Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.