Nov-21-2016

MALT 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:**9 **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 malt barley data for comparison of like types. The dots on the graph indicate individual plot values. Samples have been submitted for quality analysis and that data will be added as it is available.

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.

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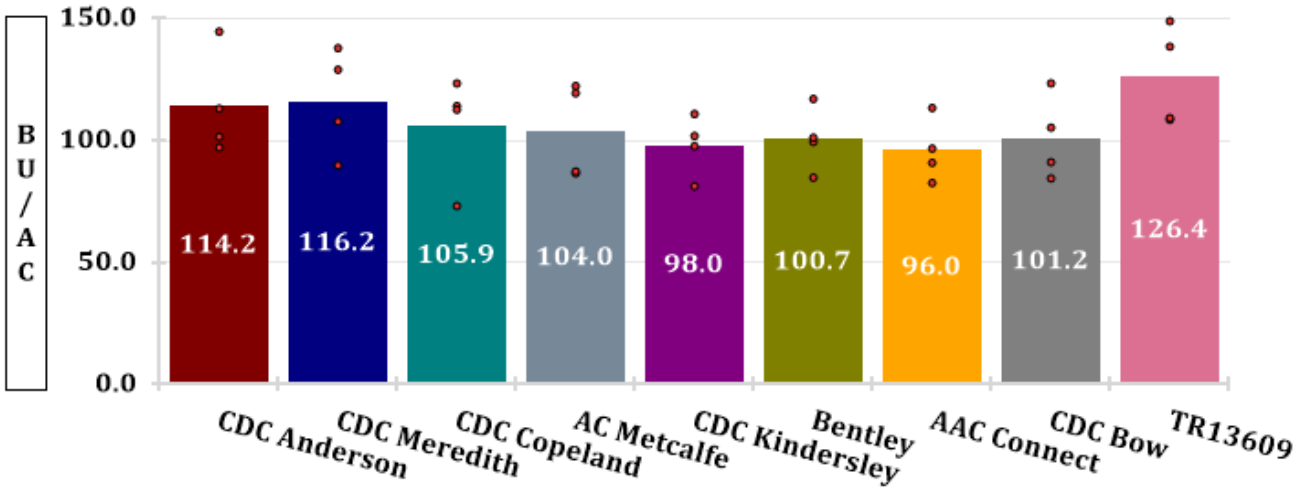

AOV Means Table

Crop Name	Spring barley		
Rating Data Type	MOICON	YIELD	YIELD
Rating Unit	%	g	BU/AC
Entry No. Entry Name	1	2	3
1CDC Anderson	14.80d	5737.88a	114.2a
2CDC Meredith	16.80a	5979.88a	116.2a
3CDC Copeland	16.10b	5405.25a	105.9a
4AC Metcalfe	16.80a	5351.13a	104.0a
5CDC Kindersley	15.90b	4990.25a	98.0a
6Bentley	16.00b	5132.75a	100.7a
7AAC Connect	15.10cd	4839.63a	96.0a
8CDC Bow	15.25c	5114.63a	101.2a
9TR13609	16.80a	6502.88a	126.4a
LSD P=.05	0.304	1264.179	24.70
Standard Deviation	0.208	866.234	16.93
CV	1.31	15.89	15.83
Bartlett's X2	0.0	2.355	2.313
P(Bartlett's X2)	.	0.968	0.97
Skewness	-0.3468	0.4456	0.4335
Kurtosis	-1.1769	-0.3496	-0.3238
Replicate F	1.000	2.545	2.564
Replicate Prob(F)	0.4098	0.0799	0.0783
Treatment F	54.577	1.520	1.392
Treatment Prob(F)	0.0001	0.2024	0.2500

Rating Data Type
MOICON = moisture content
YIELD = yield
Rating Unit
% = percent
g = gram
BU = bushel
ARM Action Codes
TY2 = 0.02020351*[C2]*(100-[C1])/86.5

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.