



Malt Barley—Variety

Trial ID: 2022-BV04 — R.M. of Argyle

Objective: The purpose of this project is to quantify the agricultural characteristics of malting quality of barley varieties across Manitoba.

Summary: There was significant differences between the different varieties in yield; no statistical differences were detected in either plant stand or lodging. Germination was excellent and all varieties met malting quality.

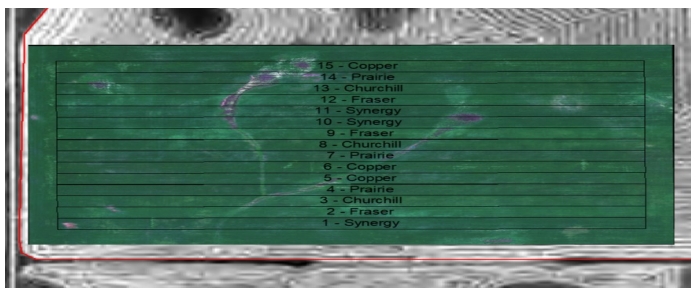
Trial Information & Observations

Soil Texture	Clay Loams
Previous Crop	Canola
Tillage	Zero Till
Seeding Equipment	60' Air Drill
Seeding Date	May 28
Seeding Rate	96 lbs/ac
Varieties	AAC Synergy AAC Prairie CDC Copper CDC Fraser CDC Churchill
Row Spacing	7.5"
Harvest Date	August 27



Air photo of trial in season (CDC Fraser can be seen as the lighter strips, similar to RGB drone image)

RGB Imagery July 24



Precipitation† (mm)

	May	June	July	Aug	Total
Rainfall	146	53	92	27	318
Normal	61	78	70	65	274
% Normal	238%	68%	131%	42%	116%

†Growing season precipitation (mm) - May 01—Aug 15

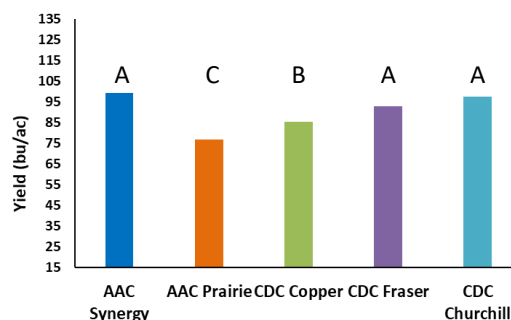
Malt Barley Response & Quality

	Plants/ft ²	Lodging Severity (1-9)	Germination (%)	Protein (%)
AAC Synergy	18	1	98.5	12.2
AAC Prairie	19	1.3	95.5	12.3
CDC Copper	19	2.3	98.0	12.3
CDC Fraser	19	1.3	99.5	12.5
CDC Churchill	23	1.3	98.0	12.0

Overall Yield

	Mean (bu/ac)
AAC Synergy	99.3 ^A
AAC Prairie	76.9 ^C
CDC Copper	85.1 ^{BC}
CDC Fraser	92.9 ^{AB}
CDC Churchill	97.3 ^{AB}
P-Value	0.0178
CV	7.42%
Significance	Yes

Yield by Treatment



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