



Malt Barley—Variety

Trial ID: 2022-BV05 — R.M. of Alexander

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

Summary: There was no significant difference between the varieties in both the yield and lodging; a significant difference was found in plant stands. Germination was good for AAC Synergy and made malting quality; however, CDC Copper did not meet malting quality as germination was below 95%.

Trial Information & Observations

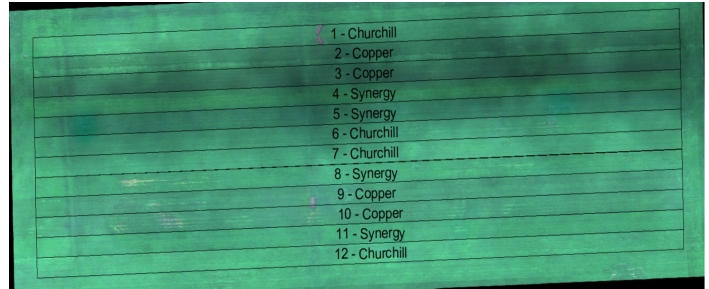
Soil Texture	Peat/Muck
Previous Crop	Soybeans
Tillage	Conventional
Seeding Equipment	60' Hoe Drill
Seeding Date	June 10
Seeding Rate	145 lbs/ac
Varieties	AAC Synergy CDC Copper CDC Churchill
Row Spacing	20"
Harvest Date	September 09



Minimal lodging was observed in plot 5



RGB Imagery July 24



Precipitation† (mm)

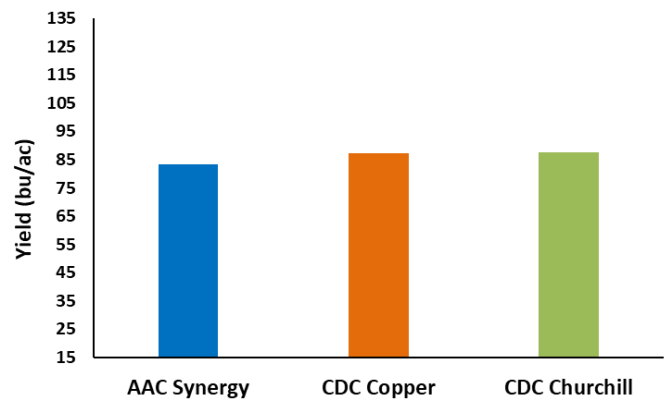
	May	June	July	Aug	Total
Rainfall	100	68	104	72	345
Normal	54	73	68	81	276
% Normal	186%	94%	153%	89%	125%

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

Malt Barley Response & Quality

	Plants/ft ²	Lodging Severity (1-9)	Germination (%)	Protein (%)
AAC Synergy	23 ^A	2	97.5	15.2
CDC Copper	29 ^{AB}	2	90.5	15.1
CDC Churchill	32 ^B	2.8		15.7

Yield by Treatment



Overall Yield

	Mean (bu/ac)
AAC Synergy	83.4
CDC Copper	87.2
CDC Churchill	87.4
P-Value	0.4563
CV	5.56%
Significance	No



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MANITOBA CROP ALLIANCE

Phone: 204-745-6661
Website: mbcropalliance.ca
Email: hello@mbcropalliance.ca



Phone: 204-985-4399
Website: cmbtc.com
Email: cmbtc@cmbtc.com