



# Malt Barley—Variety

**Trial ID: 2022-BV03 — R.M. of Westlake-Gladstone**

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

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

## Trial Information & Observations

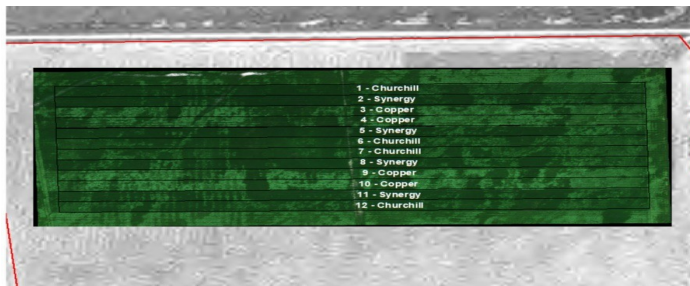
Soil Texture	Clay Loams
Previous Crop	Canola
Tillage	Conventional
Seeding Equipment	60' Disc Drill
Seeding Date	May 26
Seeding Rate	106 lbs/ac
Varieties	AAC Synergy CDC Copper CDC Churchill
Row Spacing	7.5"
Harvest Date	August 27



Extreme lodging observed as shown above prior to harvest after heavy rains.

To the left, air photo at harvest

## RGB Imagery July 24



## Precipitation<sup>†</sup> (mm)

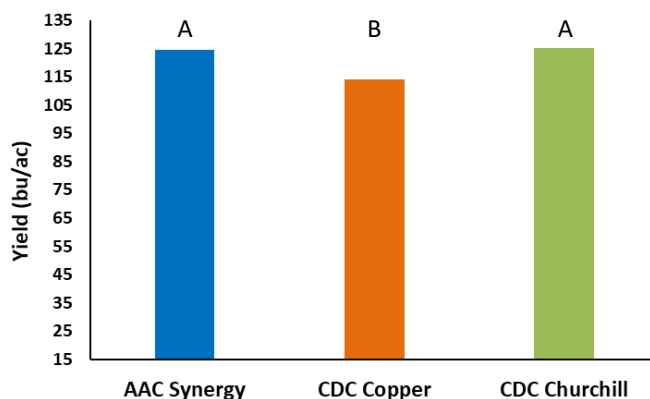
	May	June	July	Aug	Total
Rainfall	123	71	61	34	288
Normal	53	60	72	63	248
% Normal	233%	117%	84%	54%	116%

<sup>†</sup>Growing season precipitation (mm) - May 01—Aug 15

## Malt Barley Response & Quality

	Plants/ft <sup>2</sup>	Lodging Severity (1-9)	Germination (%)	Protein (%)
AAC Synergy	14 <sup>A</sup>	7	90.5	13.0
CDC Copper	19 <sup>B</sup>	7	95.5	13.1
CDC Churchill	19 <sup>B</sup>	7	97.5	13.3

## Yield by Treatment



## Overall Yield

	Mean (bu/ac)
AAC Synergy	124.4 <sup>A</sup>
CDC Copper	114.1 <sup>B</sup>
CDC Churchill	125.0 <sup>A</sup>
P-Value	0.0003
CV	1.58%
Significance	Yes



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