Variety Trial—Malt Barley

Trial ID: 2021-BV03 — R.M. of Westlake-Gladstone

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

TRIAL INFORMATION

Location	Westbourne
Previous Crop	Canola
Soil Texture	Clay
Tillage	Conventional Tillage
Planting Date	April 28, 2021
Varieties	AAC Synergy CDC Bow CDC Copper
Row Spacing	10”
Seeding Rate	110 lbs/ac
Fertilizer (N-P-K-S)	50N 42P, Poultry manure Spring 2021
Harvest Date	August 13, 2021

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	36	48	9	18	**110**
Normal	50	68	67	49	**235**

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

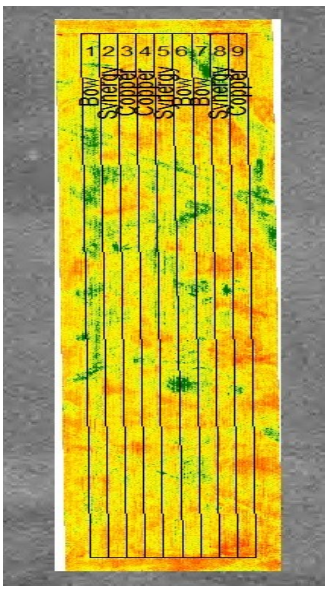
BARLEY QUALITY

	Plant Stand/ft^2	Protein (%)	Germination (%)
AAC Synergy	18^A	15.5	97.7
CDC Bow	16^A	16.0	94.5
CDC Copper	12^A	15.6	97.3

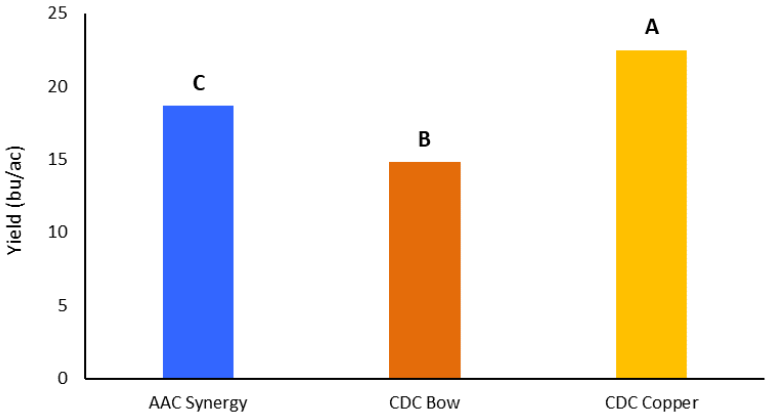
OVERALL YIELD

	Mean (bu/ac)
AAC Synergy	18.7^B
CDC Bow	14.8^C
CDC Copper	22.5^A
P-Value	0.0009
CV	4.38%
Significance	**Yes**

FIELD IMAGE



YIELD BY TREATMENT



Summary: **There was a significant difference in yield between the three varieties. There was no significant difference in plant stand. Rainfall was well below normal for the growing season. Germination was good for both AAC Synergy and CDC Copper which made malting quality. Germination for CDC Bow did not meet malting quality.**

MCA and CMBTC would like to thank Tone Ag Consulting Ltd. for the research support for this trial.

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