Variety Trial—Malt Barley

Trial ID: 2020-BV04 — R.M. of Argyle

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

TRIAL INFORMATION

Location	Baldur
Previous Crop	Canola
Soil Texture	Fine Loams
Tillage	Zero Tillage
Planting Date	May 22, 2020
Varieties	CDC Fraser AAC Synergy CDC Copper CDC Bow
Row Spacing	7.5”
Seeding Rate	96 lbs/ac
Fertilizer (N-P-K-S)	103N 40P 40K 20S
Harvest Date	August 25, 2020

PRECIPITATION†

	May	June	July	Aug	Total
Rainfall	25	30	115	42	**211**
Normal	63	93	61	80	**297**

†Growing season precipitation (mm)

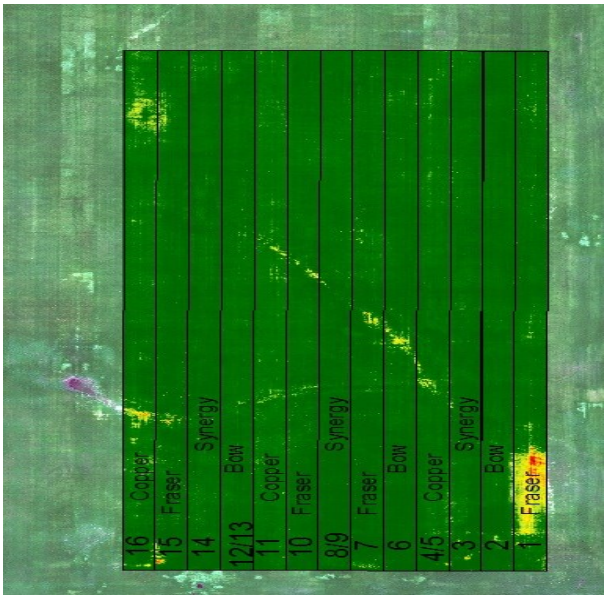
BARLEY QUALITY

	Plant Stand/ft^2	Protein (%)	Germination (%)
CDC Fraser	15^A	11.8	99.1
AAC Synergy	13^A	11.8	98.9
CDC Copper	15^A	11.8	91.6
CDC Bow	13^A	11.9	97.8

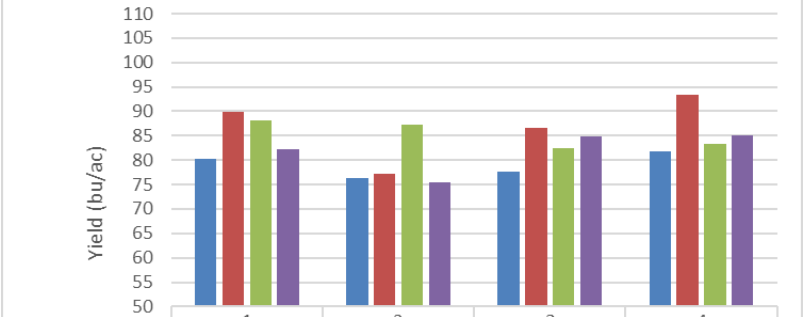
OVERALL YIELD

	Mean (bu/ac)
CDC Fraser	79.0^A
AAC Synergy	86.7^A
CDC Copper	86.0^A
CDC Bow	81.9^A
P-Value	0.0783
CV	6.19%
Significance	No

FIELD IMAGE



STRIP YIELD



	1	2	3	4
CDC Fraser	80.22	76.25	77.64	81.86
AAC Synergy	89.93	77.11	86.52	93.42
CDC Copper	88.10	87.35	82.43	83.32
CDC Bow	82.15	75.38	84.90	85.02

Summary: There was no significant yield difference between the four varieties. Rainfall was well below normal for the growing season. Germination was excellent for three varieties (Fraser, Synergy and Bow) and met malting quality. Germination was poor for Copper which did not meet malting quality.

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