



Malt Barley—Variety

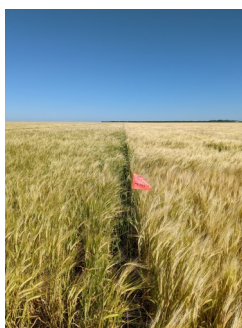
Trial ID: 2022-BV02 — R.M. of Oakland-Wawanesa

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 lodging; no difference was detected in the plant stands. Germination for both AAC Synergy and AAC Connect was good and made malting quality; however, AAC Prairie did not meet malting quality as germination was below 95%.

Trial Information

Soil Texture	Fine Loams
Previous Crop	Canola
Tillage	Minimal
Seeding Equipment	40' Hoe Drill
Seeding Date	May 24
Seeding Rate	90 lbs/ac
Varieties	AAC Synergy AAC Connect AAC Prairie
Row Spacing	10"
Harvest Date	August 28



AAC Synergy (left) and AAC Prairie (right) pre-harvest shown above

Air photos of trial in season and at harvest

NDVI Imagery July 24



Precipitation[†] (mm)

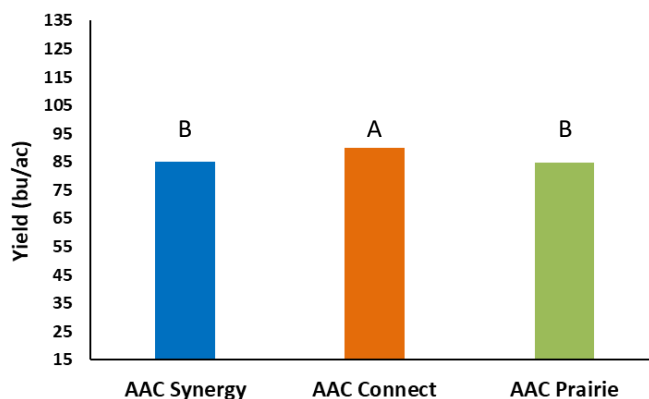
	May	June	July	Aug	Total
Rainfall	96	94	107	26	322
Normal	51	62	76	52	242
% Normal	187%	151%	140%	50%	133%

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

Malt Barley Response & Quality

	Plants/ft ²	Lodging Severity (1-9)	Germination (%)	Protein (%)
AAC Synergy	32	1.25 ^A	95.0	11.4
AAC Connect	32	2.25 ^B	96.0	11.6
AAC Prairie	35	2.75 ^B	72.5	12.0

Yield by Treatment



Overall Yield

	Mean (bu/ac)
AAC Synergy	85.1 ^B
AAC Connect	90.1 ^A
AAC Prairie	84.8 ^B
P-Value	0.0016
CV	1.44%
Significance	Yes



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