

Variety Trial—Malt Barley

Trial ID: 2020-BV05 — R.M. of Pembina

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

TRIAL INFORMATION	
Location	Manitou
Previous Crop	Canola
Soil Texture	Course Loams
Tillage	Minimal Tillage
Planting Date	May 22, 2020
Varieties	AAC Synergy AAC Connect CDC Copper
Row Spacing	7.5"
Seeding Rate	100 lbs/ac
Fertilizer (N-P-K-S)	54N 16P
Harvest Date	August 26, 2020

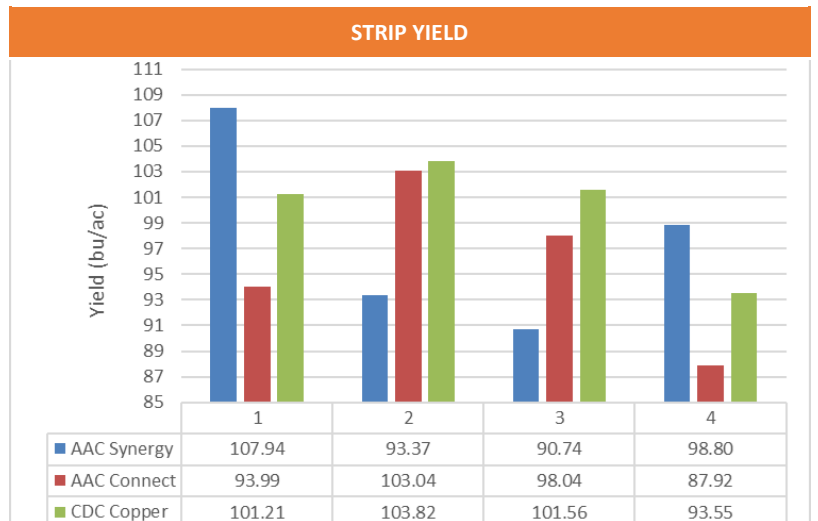


PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	48	31	97	24	201
Normal	61	104	61	73	299

†Growing season precipitation (mm)

BARLEY QUALITY			
	Plant Stand/ft ²	Protein (%)	Germination (%)
AAC Synergy	21 ^A	11.2	97.9
AAC Connect	20 ^A	11.6	96.6
CDC Copper	21 ^A	11.6	93.6

OVERALL YIELD	
	Mean (bu/ac)
AAC Synergy	97.7 ^A
AAC Connect	95.7 ^A
CDC Copper	100.0 ^A
P-Value	0.66
CV	6.11%
Significance	No



Summary: There was no significant difference in plant stand and yield between the three treatments. Rainfall was well below normal for the growing season. AAC Synergy and AAC Connect both had excellent germination and met malt quality standards. CDC Copper did not meet malt quality standards (% Germ < 95).