

Variety Trial—Malt Barley

Trial ID: 2020-BV03 — R.M. of Oakland-Wawanesa

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

TRIAL INFORMATION	
Location	Wawanesa
Previous Crop	Soybeans
Soil Texture	Fine Loams
Tillage	Conventional
Planting Date	May 20, 2020
Varieties	AAC Connect AAC Synergy AAC Goldman
Row Spacing	10"
Seeding Rate	86 lbs/ac
Fertilizer (N-P-K-S)	60N 30P
Harvest Date	August 19, 2020

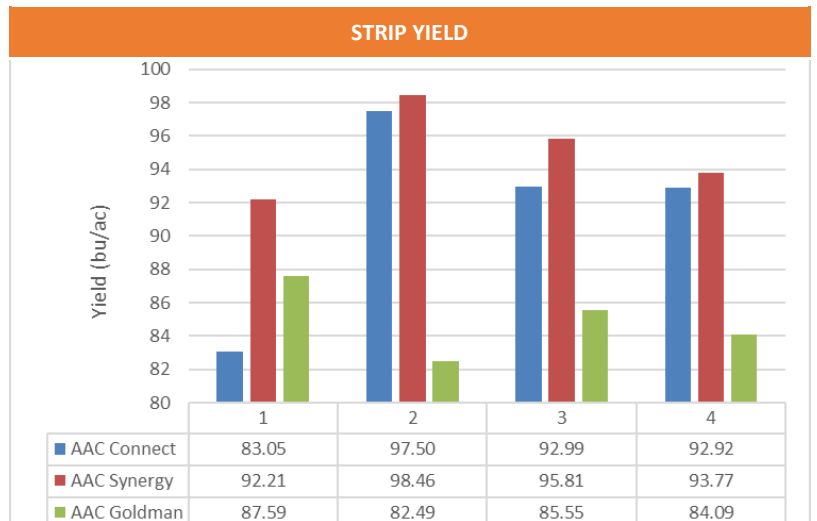


PRECIPITATION†					
	May	June	July	Aug	Total
Rainfall	22	52	87	60	222
Normal	53	67	72	75	267

†Growing season precipitation (mm)

BARLEY QUALITY			
	Plant Stand/ft ²	Protein (%)	Germination (%)
AAC Connect	18 ^A	11.3	98.3
AAC Synergy	16 ^A	11.5	98.6
AAC Goldman	11 ^B	11.8	96.5

OVERALL YIELD	
	Mean (bu/ac)
AAC Connect	91.6 ^{AB}
AAC Synergy	95.1 ^A
AAC Goldman	85.0 ^B
P-Value	0.0353
CV	6.32%
Significance	Yes



Summary: There was a significant difference in yield between AAC Synergy and AAC Goldman. AAC Goldman emerged later relative to the other varieties and had a thinner plant stand. Rainfall was below normal for the growing season. Germination was excellent and all three varieties made malting quality.