

AAC Prairie Malting Barley

Pedigree: CDC Kindersley/TR08204

Overview:

AAC Prairie is a two-row malting barley with a malting profile similar to AC Metcalfe. It combines good yield potential (105% of AC Metcalfe, 102% of CDC Copeland and 97% of AAC Synergy) with excellent grain quality (good plumpness, test weight and kernel weight). It is MR to surface-borne smuts, stem rust (carries the *Rpg1* gene) and net-form net blotch, and I to Fusarium Head Blight (FHB) and spot blotch. It has a desirable malting quality profile with higher fine extract and alpha amylase, and lower peeled and broken grains, beta-glucan and viscosity than the checks. Soluble protein and FAN levels are similar to AC Metcalfe. Overall AAC Prairie has a good combination of agronomic traits, disease resistance and excellent malting quality.

Features:

- Good yield potential (105% of AC Metcalfe).
- Shorter straw and good lodging resistance.
- Good kernel weight and plumpness (similar to the checks).
- Maturity within the range of the checks.
- Moderately resistant to surface-borne smuts, stem rust, and net-form net blotch.
- Intermediate resistant to spot-form net blotch.
- Lower peel and broken grains than all the checks.

Two-year yield performance data from the Coop registration trials (2017 – 2018)

Entry	Black Soil Zone		Black-Grey Soil Zone		Brown Soil Zone		Combined	
	Yield (kg/ha)	% CDC Copeland	Yield (kg/ha)	% CDC Copeland	Yield (kg/ha)	% CDC Copeland	Yield (kg/ha)	% CDC Copeland
AAC Prairie	7197	106	6433	100	5541	102	6187	102
CDC Copeland	6816	100	6461	100	5435	100	6051	100
AC Metcalfe	6910	101	6260	97	5092	94	5853	97
AAC Synergy	7573	111	6607	102	5619	103	6363	105

Two-year agronomic performance data from the Coop registration trials (2017 – 2018)

Entry	Maturity (days)	Height (cm)	Lodging (1-9)	Test Weight	Kernel Weight	Plump (%>6/64")	Thin (%<5/64)
AAC Prairie	90.5	72.3	2.4	66.7	46.4	93.7	1.62
CDC Copeland	90.5	79.2	2.6	65.6	46.5	93.1	1.21
AC Metcalfe	90.0	73.7	3.3	67.2	45.4	93.5	1.72
AAC Synergy	90.6	73.9	1.8	66.5	47.9	95.7	0.74