



AB WRANGLER

Two-row general purpose barley

- Great disease resistance package with low DON accumulation
- Forage yields similar to CDC Cowboy, with better quality
- Grain yields higher than CDC Austenson, especially under drought

Strengths of AB Wrangler

- Grain yield is 109% of the malt check CDC Copeland with an overall yield greater than feed check CDC Austenson. Did especially well in 2018 drought conditions with yields 2% higher than Champion and 5% higher than CDC Austenson.
- High forage yields equal to CDC Cowboy and Gadsby. Under 2018 drought conditions, still yielded 1% higher than CDC Cowboy and 2% higher than Gadsby.
- Moderately resistant to surface-borne smuts, stem rust, spot blotch and Fusarium Head Blight with DON levels averaging 45% less than AC Metcalfe, 36% of CDC Austenson, and 46% of Champion.
- Forage quality is better than CDC Cowboy, with lower NDF and ADF, and higher In Vitro Fiber Digestibility, NDF30/NDF ratio, and starch.
- Maturity is one day earlier than the feed check CDC Austenson, similar to Champion, and two days earlier than CDC Cowboy.
- Lodging resistant at the soft dough stage, similar to the most lodging resistant check CDC Austenson. Lodging may be an issue in higher rainfall areas.
- Recommended for the drier growing areas across the southern Prairies, especially the brown soil zone where it is well adapted.

AB Wrangler was developed by Western Crop Innovations and is available through [Canterra Seeds](#).

Table 1. Yield of AB Wrangler averaged over the 2017 and 2018 Western Cooperative Two-Row Barley Registration Trials.

Entry	2017		2018		2 Year Average	
	kg/ha	% CDC Copeland	kg/ha	% CDC Copeland	kg/ha	% CDC Copeland
CDC Copeland	6302	100	5818	100	6051	100
AC Metcalfe	6123	97	5601	96	5853	97
AAC Synergy	6450	102	6282	108	6363	105
CDC Austenson	6653	106	6177	106	6406	106
Champion	7095	113	6326	109	6697	111
AB Wrangler	6716	107	6457	111	6582	109
Station Years	14		15		29	

Table 2. Agronomic traits of AB Wrangler averaged over the 2017 and 2018 Western Cooperative Two-Row Barley Registration Trials.

Entry	Heading days	Maturity days	Height cm	Lodging 1-9	Test Wt kg/hL	Kernel Wt mg	Plump >6/64 %	Thins <5/64 %
CDC Copeland	57.4	90.5	79.2	2.6	65.6	46.5	93.1	1.21
AC Metcalfe	54.1	90.0	73.7	3.3	67.2	45.4	93.5	1.72
AAC Synergy	54.8	90.6	73.9	1.8	66.5	47.9	95.7	0.74
CDC Austenson	57.0	91.9	73.8	1.1	67.8	47.6	92.5	1.61
Champion	53.2	90.9	73.1	2.4	68.0	50.0	93.7	1.35
AB Wrangler	55.0	90.5	74.7	4.3	66.7	47.0	91.5	2.51
Station Years	29	28	31	4	32	29	30	10

Table 3. Forage data for AB Wrangler averaged over the 2017 and 2018 Western Cooperative Forage Barley Test.

Entry	DM Yield kg/ha	Gadsby %	Heading days	Height cm	Lodging 1-9	Crude Protein %	NDF %	ADF %	IVTD %	Starch %
AC Ranger	12407	94	52.3	74.9	1.39	9.2	43.6	25.4	75.2	42.9
CDC Austenson	12805	97	56.3	74.5	1.17	8.6	43.0	25.0	75.1	41.9
CDC Cowboy	13321	100	54.3	96.9	1.56	8.0	44.6	27.0	73.5	40.3
Vivar	12531	95	53.4	71.0	1.44	8.7	44.1	26.5	74.6	42.2
Gadsby	13256	100	56.7	82.5	2.56	8.3	43.5	26.1	74.8	41.7
AB Wrangler	13311	100	54.4	78.7	1.22	8.1	43.8	25.9	74.3	41.0
Sites	14		13	11	6	14	14	14	14	14

NDF - neutral detergent fiber; ADF - acid detergent fiber; IVTD - in vitro true digestibility.

Table 4. Overall disease ratings of AB Wrangler and the checks from the 2018 Western Cooperative Two-row Barley Registration Trials.

Entry	Net Blotch		Scald	Spot Blotch	Smut		Stem Rust	FHB
	Net Form	Spot Form			Loose	Surface		
CDC Copeland	I	MS	S	MS	MS	R-MR	R	I
AC Metcalfe	S	MS	MS	I	R	R	R	I
AAC Synergy	MR	MR	S	MR	MS	MR	R	I
CDC Austenson	MR-I	I	S	I	MS	R	R	S
Champion	MS	I	S	MS	MS	MR-I	MS	MS
AB Wrangler	I-MR	I	MS	MR	MS-S	MR-R	R	MR

R — resistant, MR – Moderately resistant, I – intermediate resistance, MS – moderately susceptible, S—susceptible; FHB – fusarium head blight.