



## AB HAGUE

### Two-row general purpose barley

- High yielding line with excellent drought tolerance (>CDC Austenson)
- Great forage yields with excellent forage quality (>CDC Cowboy)
- Excellent disease resistance package with resistance to all Priority 1 diseases

### Strengths of AB Hague

- Grain yield: AB Hague had incredible yields in the drought year of 2018, yielding significantly higher than all of the checks, being 11% higher than CDC Austenson and 8% higher than Champion. AB Hague maintained good yields in 2019 across all soil zones, with 2% higher yields than CDC Austenson and Champion. Overall grain yields in the Two-row Coop were 6% higher than CDC Austenson and 5% higher than Champion.
- Resistant or moderately resistant to stem rust, surface-borne smuts, loose smut, and Fusarium head blight. Intermediate resistance to net-and spot forms of net blotch, scald, and spot blotch.
- Lodging resistance is similar to the best check CDC Austenson in both the Two-Row and Forage Barley Coops.
- Quality: The forage quality of this line is superior giving it very good estimates for empty body weights, average daily gain, and milk production.

AB Hague was developed by Western Crop Innovations and is available through [FP Genetics](#).

**Table 1.** Yield of AB Hague averaged over the 2018 and 2019 Western Cooperative Two-Row Barley Registration Trials.

Entry	2018		2019		2 Year Average	
	kg/ha	CDC Copeland %	kg/ha	CDC Copeland %	kg/ha	CDC Copeland %
CDC Copeland	5818	100	6607	100	6213	100
AC Metcalfe	5601	96	6209	94	5905	95
AAC Synergy	6282	108	6979	106	6630	107
CDC Austenson	6177	106	7205	109	6691	108
Champion	6326	109	7195	109	6760	109
AB Hague	6812	117	7342	111	7077	114
Station Years	15		15		30	

**Table 2.** Agronomic traits of AB Hague averaged over the 2018 and 2019 Western Cooperative Two-Row Barley Registration Trials.

Entry	Heading days	Maturity days	Height cm	Lodging 0-9	Test Wt kg/hL	Kernel Wt mg	Plump >6/64 %	Thins <5/64 %
CDC Copeland	59.1	94.4	82.5	1.8	64.9	48.3	94.9	0.8
AC Metcalfe	55.5	93.6	77.1	3.3	66.2	46.7	95.2	1.2
AAC Synergy	56.8	94.5	77.2	2.5	65.7	49.7	96.6	1.2
CDC Austenson	58.4	95.7	78.1	1.8	67.5	49.6	95.3	1.2
Champion	55.2	94.3	76.3	3.3	67.3	52.0	95.7	1.2
AB Hague	56.5	96.3	82.4	1.8	66.5	50.0	94.2	1.4
Station Years	30	32	31	4	32	28	29	6

**Table 3.** Forage data for AB Hague averaged over the 2018 and 2019 Western Cooperative Forage Barley Test.

Entry	DM Yield kg/ha	Gadsby %	Heading days	Height cm	Lodging 1-9	Crude Protein %	ADF %	NDF %	IVTD %	Starch %
CDC Austenson	13756	102	56.8	80.1	1.94	9.0	25.4	47.6	73.5	14.6
CDC Cowboy	13714	102	54.8	99.7	3.28	8.2	27.3	49.3	71.8	12.3
Gadsby	13464	100	57.3	86.4	4.33	8.4	25.8	47.4	73.6	15.1
Vivar	12609	94	54.0	75.6	3.39	8.8	25.8	48.3	73.2	13.5
AB Hague	13336	99	54.6	85.6	2.11	9.3	25.0	47.2	73.7	15.0
Station Years	14		14	14	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 Hague from the 2019 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-MR	I	S	MS	MR-R	R	R	I
AC Metcalfe	MS	I	S	I	R	MR-R	R	I
AAC Synergy	MR	I	S	I-MR	MS	MR	R	S-I
CDC Austenson	MR	I	S	I-MR	MS	R	MR	S-I
Champion	MS-I	I	S	I	MR-R	I	I-MR	S
AB Hague	I	I	I	I	MR-R	R	MR	MR

R — resistant, MR – Moderately resistant, I – intermediate resistance, MS – moderately susceptible, S—susceptible.