



WCI MELVILLE

Two-row general purpose barley

- Mean grain yields 5% higher than CDC Austenson
- Excellent agronomic attributes, including improved lodging resistance and grain quality
- Outstanding disease package: strong resistance (R/MR) to scald, surface smut, and stem rust; intermediate resistance to FHB, net blotch, and spot blotch

Strengths of WCI Melville

- Mean grain yield is 5% higher than CDC Austenson.
- Forage dry matter yield is 5% higher than CDC Austenson and AB Cattlelac, 2% higher than CDC Cowboy.
- Resistant to lodging, better than all the checks, with a mean rating of 1.9 for WCI Melville vs. 2.4 for CDC Austenson.
- Large, plump kernels > CDC Austenson.
- Outstanding disease resistance package with R or MR overall ratings to scald, surfaceborne smut, stem rust; and intermediate reactions to FHB, net form of net blotch, spot form of net blotch, and spot blotch.

WCI Melville was developed by Western Crop Innovations and will be available through FP Genetics.

Table 1. Yield and agronomic traits of WCI Melville averaged over the 2023 and 2024 Western Cooperative Feed and Forage Barley Registration Trials.

Entry	Yield kg/ha	CDC Austenson %	Heading days	Height Cm	Lodging 1-9	Maturity days	Kernel Wt mg	Test Wt kg/hL	Plump >6/64 %
CDC Austenson	5962	100	58.4	75.7	2.4	88.1	47.1	65.0	88.9
AB Cattlelac	5769	97	55.3	85.0	2.8	87.6	41.6	62.9	87.4
CDC Cowboy	4983	84	56.4	97.2	4.2	88.9	54.2	64.8	95.1
Sirish	5204	87	57.9	64.2	2.0	87.9	46.0	62.9	93.6
WCI Melville	6240	105	59.8	75.1	1.9	88.5	50.0	64.4	90.6
Station Years	29		25	28	12	27	23	28	24

Lodging scored 1-9, with 9 being up to 100% lodged.

Table 2. Forage data for WCI Melville averaged over the 2023 and 2024 Western Cooperative Feed and Forage Barley Registration Trials.

Entry	DM Yield kg/ha	AB Cattlelac %	CP %	NDF %	ADF %	Starch %	TDN %
AB Cattlelac	12352	100	10.4	39.9	23.8	20.7	69.4
CDC Austenson	12413	100	9.9	40.9	24.2	19.7	69.7
CDC Cowboy	12758	103	9.9	43.4	26.6	16.5	67.6
Sirish	11479	93	10.5	37.2	21.8	20.7	70.9
WCI Melville	13007	105	10.2	42.2	25.4	17.7	68.4
Station Years	10		6	6	6	6	6

CP – crude protein; NDF - neutral detergent fiber; ADF - acid detergent fiber; IVTD - in vitro true digestibility; TDN – total digestible nutrients.

Table 3. Overall disease ratings of WCI Melville averaged over the Western Cooperative Feed and Forage Barley Registration Test disease reaction report.

Entry	Net Blotch	Scald	Spot Blotch	Smut		Stem Rust	FHB	DON (ppm)
				Surface	Loose			
AB Cattlelac	MS/I	MR	MR	R	R	R	S	27.0
CDC Austenson	I	MS	MR	R	I	R	I	19.0
CDC Cowboy	I	MS	I	I	I	R	MR	16.5
Sirish	MS/I	MR	MS	R	R	S	MR	16.5
WCI Melville	I	R	I	R	R	R	I	22.8

S – susceptible, MS – moderately susceptible, I – intermediate, MR – moderately resistant, R – resistant; FHB – fusarium head blight; DON – deoxynivalenol.