

Technical Bulletin

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CDC Austenson 2-Row Feed Barley



Description:

CDC Austenson is a 2-row hulled feed barley with top grain yield and short, strong straw. CDC Austenson produces grain yields higher than Xena along with high test weight and large, plump kernels. CDC Austenson is well adapted across western Canada, and compared to Xena, has shown improved resistance to prevalent races of net form net blotch, spot form net blotch and spot blotch. This variety is particularly well-suited to producers seeking a top-yielding 2-row feed barley with improved performance over Xena.

Strengths:

- Higher grain yield than Xena
- Large, plump kernels with high test weight (87% plump kernels)
- Stronger straw than Xena
- 2 cm shorter in height than Xena
- Improved leaf disease resistance compared to Xena
- Resistant to stem rust
- Resistant to covered and false loose smut

Neutral Traits:

- Medium maturity, similar to Xena
- Test weight similar to Xena

Weaknesses:

- Susceptible to scald and true loose smut (similar to Xena)

Breeder:

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PBR 78 Protected

2006-2007 Two-Row Barley Registration Trials

Variety	Grain Yield (% of AC Metcalfe)	Maturity (days)	Height (cm)	Lodging 1 = erect 9 = flat	Test Weight (kg/hl)	1000 Kernel Weight (gm)	% Plump	Scald	Net Form Net Blotch	Spot Form Net Blotch	Spot Blotch	Loose Smut
AC Metcalfe	100	88	85	4.9	65.7	43.7	89	P	VP	F	F	VG
Xena	114	89	85	4.3	66.6	48.6	91	P	VP	F	VP	P
CDC Austenson	116	90	83	4.0	66.7	46.5	87	VP	P	VG	G	VP

Seed Manitoba 2026 - Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Relative Maturity +/- 88 days	Height +/- 89cm	Test Weight +/- 48.7lb/bu	Awns Rough or Smooth	Resistance Level:								
								Lodging	Loose Smut	Surface Borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust	FHB
AAC Stockton (2R)	31	118	12.3	+1	-2	0	R	G	R	R	---	I	I	I	R	MR
AB Advantage (6R)	30	109	13.2	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
CDC Churchill (2R)*	46	114	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Durango (2R)	29	114	12.4	+2	-3	+0.1	R	VG	S	R	---	MR	MS	I	I	I
CDC Renegade (2R)	29	107	12.6	+1	+7	-0.3	S	F	I	MR	---	MS	MR	MS	MR	MR
Esma (2R) VUA	30	115	12.1	+1	-10	-0.4	---	G	R	NT	---	MS	MS	MS	NT	I
KWS Kellie (2R) VUA	29	107	12.0	1	-11	-1.5	---	P	R	NT	---	MS	MS	MS	NT	I
CDC Austenson (2R)	105	116	12.2	+1	0	+0.5	R	G	S	R	I	MS	R	MR	I	I

Lodging Ratings: F=Fair; G=Good; VG=Very Good Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible, NT = Not tested

2026 Saskatchewan Varieties of Grain - Barley Comparison

Variety	Years Tested	# Rows	Awn Type	Yield (% of AAC Synergy)		Relative Maturity	Height (cm)	-----Resistance to-----									
				Area 1 & 2	Area 3 & 4			Lodging	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	FHB
AAC Synergy	7	2	R	100	100	M	76	F	MR	R	R	S	S	I	I	MR	I
AAC Stockton	5	2	R	102	102	M	74	F	I	I	I	S	R	R	---	R	MR
AB Advantage	7	6	S	103	100	VL	92	VG	MS	I	I	I	MR	I	---	I	S
CDC Churchill*	7	2	R	105	104	M	71	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Durango	7	2	R	105	107	M	75	VG	MR	MS	I	MS	S	MR	---	I	I
CDC Renegade	5	2	S	103	96	M	92	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma VUA	5	2	R	103	98	M	64	G	MS	MS	MS	S	R	---	---	---	I
KWS Kellie VUA	5	2	R	102	96	L	62	G	MS	MS	MS	I	R	---	---	---	I
CDC Austenson	7	2	R	102	103	M	76	G	MS	R	MR	S	S	R	I	I	I

M=Medium; L=Late; F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2026 Alberta Seed Guide – Feed and Food Barley Comparison

Variety	2 or 6 Row	Awn Type	Most Recent Year of Testing	Station Years	Yield % AAC Synergy			Maturity Days +/- AAC Synergy	Test Weight lb/bu	TKW (g)	Height (cm)	Resistance to Lodging	Disease Tolerance						
					Overall Yield	Low <113 (bu/ac)	High >113 (bu/ac)						Loose Smut	Other Smuts	Scald	Spot Form Net blotch	Net Form Net Blotch	Spot Blotch	FHB
AAC Synergy (bu/ac)					124	85	149												
AAC Synergy	2	R	2025	177	100	100	100	93	53	49	81	F	S	I	S	R	MR	R	I
AAC Stockton	2	R	2025	44	103	102	103	0	53	50	80	F	R	R	S	I	I	I	MR
AB Advantage	6	S	2020	32	103	99	104	+2	52	48	102	G	MR	I	I	I	MS	I	S
AB Tofield	6	S	2021	24	104	101	106	+1	52	43	84	G	MR	MR	I	I	MS	I	S
CDC Churchill*	2	R	2024	57	104	102	104	+2	53	46	77	G	MS	MR	S	MR	MR	I	MS
CDC Durango	2	R	2023	45	107	101	110	+2	54	50	79	VG	S	R	MS	MS	MR	I	I
CDC Renegade	2	S	2022	26	102	109	97	+4	52	52	90	F	I	MR	S	MR	I	MS	MR
Esma VUA	2	R	2022	26	110	114	107	+3	52	51	69	VG	R	XX	S	MS	MS	MS	I
KWS Kellie VUA	2	R	2022	26	114	121	110	+5	52	50	66	VG	R	XX	I	MS	MS	MS	I
CDC Austenson	2	R	2025	156	101	98	103	+2	54	49	81	G	S	R	S	R	MS	R	I

R=Rough; VG=Very Good, G=Good, F=Fair; P=Poor; VP=Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible, NT = Not tested

*Malting barley for comparison

For more information, call 1-800-665-7333 or visit www.secan.com