

Technical Bulletin

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Canada's Seed Partner

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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Crop Development Centre
University of Saskatchewan
Saskatoon, SK

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

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

Seed Manitoba 2025 - Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Relative Maturity +/- 88 days	Height +/- 89cm	Test Weight +/- 48.7lb/bu	Rough or Smooth Awns	Lodging	Loose Smut	Surface Borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust	FHB
AAC Stockton (2R)	17	117	12.4	+1	-2	0	R	G	R	R	---	I	I	I	R	MR
AB Advantage (6R)	30	108	13.2	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
CDC Churchill (2R)*	46	113	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Durango (2R)	29	113	12.4	+2	-3	+0.1	R	G	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	114	12.1	+1	-10	-0.4	---	G	R	NT	---	MS	MS	MS	NT	I
KWS Kellie (2R) VUA	29	106	12.0	1	-11	-1.5	---	P	R	NT	---	MS	MS	MS	NT	I
CDC Austenson (2R)	91	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

2025 Saskatchewan Varieties of Grain - Barley Comparison

Variety	Years Tested	# Rows	Awn Type	Yield (% of AAC Synergy)		Relative Maturity	Lodging	Net Form Net Blotch	Spot-Form Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	FHB
				Area 1&2	Area 3&4											
AAC Synergy	7	2	R	100	100	M	F	MR	R	R	S	S	I	I	MR	I
AAC Stockton	4	2	R	99	103	M	F	I	I	I	S	R	R	---	R	MR
AB Advantage	7	6	S	103	100	VL	VG	MS	I	I	I	MR	I	---	I	S
CDC Churchill*	7	2	R	105	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Durango	6	2	R	106	107	M	VG	MR	MS	I	MS	S	MR	---	I	I
CDC Renegade	5	2	S	103	96	M	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma VUA	5	2	R	103	98	M	G	MS	MS	MS	S	R	---	---	---	I
KWS Kellie VUA	5	2	R	102	96	L	G	MS	MS	MS	I	R	---	---	---	I
CDC Austenson	7	2	R	102	103	M	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

2025 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)					122	85	147	93											
AAC Synergy	2	R	2024	164	100	100	100	0	53	49	81	F	S	I	S	R	MR	R	I
AAC Stockton	2	R	2024	10	102	104	0	0	53	50	80	F	R	R	S	I	I	I	MR
AB Advantage	6	S	2020	32	104	100	106	+2	52	48	102	G	MR	I	I	I	MS	I	S
AB Tofield	6	S	2021	24	104	102	105	+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	2024	101	100	98	103	+2	54	49	81	G	S	R	S	R	MS	MR	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

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