

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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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 2023 - 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
AB Advantage (6R)	30	106	13.3	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
AB Tofield (6R)	29	108	12.2	+1	+5	+1	S	VG	MR	MR	---	MS	I	I	R	S
CDC Durango (2R)	10	111	12.7	+2	-3	+0.1	R	G	S	R	---	MR	MS	I	I	I
CDC Churchill (2R)*	35	110	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Renegade (2R)	28	104	12.7	+1	7	-0.3	S	F	I	MR	---	MS	MR	MS	MR	MR
Esma (2R) VUA	29	112	12.2	+1	-10	-0.4	---	G	NT	NT	NT	NT	NT	NT	NT	NT
CDC Austenson (2R)	55	112	12.3	+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

2023 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
AB Advantage	7	6	S	103	100	VL	VG	MS	I	I	I	MR	I	---	I	S
AB Tofield	5	6	S	109	107	L	G	MS	I	I	I	---	MR	---	R	S
CDC Durango	4	2	R	109	108	M	VG	MR	MS	I	MS	S	MR	---	I	I
CDC Churchill*	7	2	R	105	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Renegade	3	2	S	109	104	M	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma VUA	3	2	R	110	102	M	G	---	---	---	---	---	---	---	---	---
KWS Kellie VUA	3	2	R	113	102	L	G	---	---	---	---	---	---	---	---	---
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

2023 Alberta Seed Guide – Feed and Food Barley Comparison

Variety	2 or 6 Row	Awn Type	Most Recent Year of Testing	Station Years	Yield % CDC Copeland			Maturity Days +/- CDC Copeland	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
CDC Copeland (bu/ac)					110	83	135												
CDC Copeland	2	R	2022	182	100	100	100	98	51	50	84	F	MS	I	S	I	I	S	I
AB Advantage	6	S	2020	32	108	104	110	1	50	50	95	G	MR	I	I	I	MS	I	S
AB Tofield	6	S	2021	24	108	106	109	0	50	45	82	G	MR	MR	I	I	MS	I	S
CDC Churchill*	2	R	2020	32	110	113	111	0	52	49	74	G	MS	MR	S	MR	MR	I	MS
CDC Durango	2	R	2022	31	112	108	113	+3	52	51	79	G	S	R	MS	MS	MR	I	I
CDC Renegade	2	S	2022	26	106	114	101	+2	51	53	89	F	I	MR	S	MR	I	MS	MR
Esma VUA	2	R	2022	26	115	119	112	1	51	53	68	VG	NT	NT	NT	NT	NT	NT	NT
KWS Kellie VUA	2	R	2022	26	119	126	115	+3	50	52	65	VG	NT	NT	NT	NT	NT	NT	NT
CDC Austenson	2	R	2022	87	107	106	108	2	52	51	80	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

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