

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 2022 - 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	109	12.2	+1	+5	+1	S	VG	---	MR	---	MS	I	I	R	S
CDC Churchill (2R)	31	110	12.2	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Maverick (2R)	29	96	13.5	+1	+10	+5.4	S	F	S	R	I	I	MR	I	MR	MR
CDC Renegade (2R)	18	110	12.4	+1	7	-0.3	S	F	I	MR	---	MS	MR	MS	MR	MR
CONLON (2R)	88	94	12.9	-1	-3	+0.8	S	G	I	I	I	I	MR	S	MR	MR
Esma (2R) VUA	19	112	12.2	+1	-10	-0.4	---	G	---	---	---	---	---	---	---	---
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

2022 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	6	6	S	104	99	VL	VG	MS	I	I	I	MR	I	---	I	S
AB Tofield	4	6	S	106	106	L	G	MS	I	I	I	---	MR	---	R	S
CDC Churchill	6	2	R	104	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Maverick	6	2	S	79	83	M	F	I	MR	I	MS	S	R	I	MR	MR
CDC Renegade	2	2	S	115	105	M	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma VUA	2	2	R	115	105	M	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

2022 Alberta Seed Guide – Barley Comparison

Variety	2 or 6 Row	Awn Type	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 Blotch	Spot Blotch	FHB
CDC Copeland (bu/ac)				108	86	138												
CDC Copeland	2	R	147	100	100	100	98	51	50	84	F	MS	I	S	I	I	S	I
AB Advantage	6	S	32	108	104	110	1	50	50	95	G	MR	I	I	I	MS	I	S
AB Tofield	6	S	24	108	106	109	1	50	45	82	G	XX	MR	I	I	MS	I	S
CDC Churchill	2	R	32	110	113	109	0	52	49	74	G	MS	MR	S	MR	MR	I	MS
CDC Maverick	6	S	31	92	88	96	1	54	55	98	F	S	R	MS	MR	I	I	MR
CDC Renegade	2	S	15	108	116	101	0	50	52	89	F	I	MR	S	MR	I	MS	MR
Esma VUA	2	R	15	116	119	114	1	51	51	68	VG	NT	NT	NT	NT	NT	NT	NT
KWS Kellie VUA	2	R	15	120	126	114	2	50	52	66	VG	NT	NT	NT	NT	NT	NT	NT
CDC Austenson	2	R	52	108	107	109	2	53	51	79	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

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