

# Technical Bulletin

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**SeCan**

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  
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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
<b>CDC Austenson</b>	<b>116</b>	<b>90</b>	<b>83</b>	<b>4.0</b>	<b>66.7</b>	<b>46.5</b>	<b>87</b>	<b>VP</b>	<b>P</b>	<b>VG</b>	<b>G</b>	<b>VP</b>

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

### Seed Manitoba 2024 - 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	109	13.3	+1	+15	0	S	VG	MR	I	---	MS	I	I	I	S
AB Tofield (6R)	29	111	12.2	+1	+5	+1	S	VG	MR	MR	---	MS	I	I	R	S
CDC Churchill (2R)*	41	114	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Durango (2R)	29	114	12.5	+2	-3	+0.1	R	G	S	R	---	MR	MS	I	I	I
CDC Renegade (2R)	29	107	12.7	+1	+7	-0.3	S	F	I	MR	---	MS	MR	MS	MR	MR
Esma (2R) <b>VUA</b>	30	115	12.2	+1	-10	-0.4	---	G	NT	NT	NT	NT	NT	NT	NT	NT
<b>CDC Austenson (2R)</b>	<b>79</b>	<b>116</b>	<b>12.3</b>	<b>+1</b>	<b>0</b>	<b>+0.5</b>	<b>R</b>	<b>G</b>	<b>S</b>	<b>R</b>	<b>I</b>	<b>MS</b>	<b>R</b>	<b>MR</b>	<b>I</b>	<b>I</b>

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

### 2024 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	6	6	S	106	105	L	G	MS	I	I	I	---	MR	---	R	S
CDC Austenson	7	2	R	102	103	M	G	MS	R	MR	S	S	R	I	I	I
CDC Churchill*	7	2	R	105	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Renegade	4	2	S	107	97	M	F	I	MR	MS	S	MS	MR	---	MR	MR
Esma <b>VUA</b>	4	2	R	106	100	M	G	---	---	---	---	---	---	---	---	---
KWS Kellie <b>VUA</b>	4	2	R	107	98	L	G	---	---	---	---	---	---	---	---	---
<b>CDC Durango</b>	<b>5</b>	<b>2</b>	<b>R</b>	<b>107</b>	<b>107</b>	<b>M</b>	<b>VG</b>	<b>MR</b>	<b>MS</b>	<b>I</b>	<b>MS</b>	<b>S</b>	<b>MR</b>	<b>---</b>	<b>I</b>	<b>I</b>

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

### 2024 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
<b>AAC Synergy (bu/ac)</b>					<b>124</b>	<b>86</b>	<b>146</b>	<b>93</b>											
AAC Synergy	2	R	2023	131	100	100	100	0	53	49	81	F	S	I	S	R	MR	R	I
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	2023	42	103	101	104	+2	53	46	77	G	MS	MR	S	MR	MR	I	MS
CDC Durango	2	R	2023	41	106	98	109	+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 <b>VUA</b>	2	R	2022	26	110	114	107	+3	52	51	69	VG	NT	NT	NT	NT	NT	NT	NT
KWS Kellie <b>VUA</b>	2	R	2022	26	114	121	110	+5	52	50	66	VG	NT	NT	NT	NT	NT	NT	NT
<b>CDC Austenson</b>	<b>2</b>	<b>R</b>	<b>2023</b>	<b>101</b>	<b>100</b>	<b>94</b>	<b>103</b>	<b>+2</b>	<b>54</b>	<b>49</b>	<b>81</b>	<b>G</b>	<b>S</b>	<b>R</b>	<b>S</b>	<b>R</b>	<b>MS</b>	<b>MR</b>	<b>I</b>

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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