Technical Bulletin

Genes that fit *your* farm.

SeCan
Canada's Seed Partner

CDC Fraser

2-Row Malting Barley

91
Progress Through Research
Le progrès grâce à la recherche

CDC Fraser is a high yielding strong strawed 2-row malting barley with large plump kernels and lower grain protein. CDC Fraser has grain protein similar to CDC Copeland, malt enzyme activity between AC Metcalfe and CDC Copeland, extract greater than both checks, malt β-glucan lower than both checks and friability greater than both checks. CDC Fraser is widely adapted across the Canadian Prairies and is presently undergoing market development trials with maltsters and brewers.

Parentage: TR04280 x SM04261

Strengths:

- 114% higher yield than AC Metcalfe (2012 & 2013 Coop Trials)
- Straw strength greater than the checks including Xena
- Grain protein 8/10% lower than AC Metcalfe, similar to CDC Copeland
- Low malt β-glucan,
- Kernel weight greater than the malt checks
- Higher % plump kernels than the checks
- Resistant to loose smut and stem rust

Neutral Traits:

- Test weight similar to CDC Copeland
- 1 day later maturing than AC Metcalfe
- Malt enzyme activity between AC Metcalfe and CDC Copeland
- FAN lower than AC Metcalfe

Weaknesses:

- Susceptible or moderately susceptible to covered smut, false smut, loose smut, scald, CRR and FHB

Breeders:
Dr. Aaron Beattie and B.G. Rossnagel
Crop Development Centre
University of Saskatchewan
Saskatoon, Saskatchewan

PBR 91 Protected
PVP Granted

CMBTC Recommended List for 2026

Averaged Characteristics from 2012 & 2013 Western Cooperative Two-Row Barley Registration Trials

Variety	Yield (% of AC Metcalfe)	Maturity (days)	Grain Protein (%)	Height (cm)	Lodging 1 = best 9 = flat	Kernel Weight (mg)	% Plump	Test Weight (kg hl)
CDC Copeland	106	93.3	11.0	86.8	3.7	45.3	87.6	63.7
Xena	111	92.5	--	83.1	3.5	48.3	88.6	65.6
AC Metcalfe	100	92.6	11.6	83.9	4.1	44.3	87.7	65.2
CDC Fraser	**114**	**93.8**	**10.7**	**82.5**	**2.8**	**46.8**	**91.4**	**64.2**

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

Jan 2026

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 Synergy (2R)	105	114	12.2	0	-2	-0.4	R	G	S	I	I	MR	R	R	MR	I
AC Metcalfe (2R)	206	99	13.0	0	0	0	R	F	R	I	I	S	I	I	MR	I
CDC Austenson (2R)*	105	116	12.2	+1	0	+0.5	R	G	S	R	I	MS	R	R	I	I
CDC Churchill (2R)	46	114	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Copeland (2R)	46	103	12.3	0	+5	-0.5	R	G	MS	I	I	I	I	S	MR	MR
CDC Fraser (2R)	**43**	**110**	**12.1**	**+1**	**0**	**-0.7**	**R**	**G**	**R**	**MR**	**MS**	**MR**	**MR**	**R**	**MR**	**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
*Feed barley for comparison

2026 Saskatchewan Varieties of Grain - Barley Comparison

Variety	Years Tested	# Rows	Awn Type	Yield (% of AAC Synergy) Area 1 & 2	Area 3 & 4	Relative Maturity	Height (cm)	Resistance to: 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
AC Metcalfe	7	2	R	87	86	M	78	F	S	I	I	MS	R	I	I	MR	I
CDC Austenson*	7	2	R	102	103	M	76	G	MS	R	MR	S	S	R	I	I	I
CDC Churchill	7	2	R	105	104	M	71	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Copeland	7	2	R	92	93	M	80	F	I	I	S	MS	MS	I	I	MR	MR
CDC Fraser	**7**	**2**	**R**	**100**	**98**	**M**	**78**	**G**	**MR**	**R**	**R**	**MS**	**R**	**R**	**MS**	**MR**	**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
*Feed barley for comparison

2026 Alberta Seed Guide – Malting Barley Comparison

Variety	2 or 6 Row	Awn Type	Most Recent Year of Testing	Station Years	Yield % AAC Synergy Overall Yield	Low <113 (bu/ac)	High >113 (bu/ac)	Maturity Days +/- AAC Synergy	Test Weight lb/bu	TKW (g)	Height (cm)	Resistance to Lodging	Disease Tolerance: 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
AC Metcalfe	2	R	2025	124	91	89	92	0	53	47	81	F	R	I	S	I	S	I	I
CDC Austenson*	2	R	2025	156	101	98	103	+2	54	49	81	G	S	R	S	R	MS	R	I
CDC Churchill	2	R	2024	57	104	102	104	+2	53	46	77	G	MS	MR	S	MR	MR	I	MS
CDC Copeland	2	R	2025	145	95	93	96	0	52	48	86	F	MS	I	S	I	I	S	I
CDC Fraser	**2**	**S**	**2017**	**37**	**102**	**103**	**101**	**+1**	**52**	**46**	**78**	**G**	**R**	**MR**	**MS**	**MR**	**MR**	**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
*Feed barley for comparison

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

Jan 2026