

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Copeland 2-Row Malting Barley

Strengths:

- **“Recommended” status from the Canadian Malting Barley Technical Centre**
- 16% higher yield than Harrington, 2% higher yield than Manley (1996 – 1998 Coop Trials)
- 3 days earlier maturing than Manley (1 day later than Harrington)
- Moderate resistance to net blotch (similar to Manley)
- Better stem rust resistance than Manley and Harrington
- Much stronger straw than Harrington, slightly stronger straw than Manley
- Higher test weight and plumper kernels than Manley, kernel plumpness similar to Harrington
- Much lower beta-glucan than Harrington and Manley
- Excellent malting quality

Neutral Traits:

- 7 cm taller than Harrington, 5 cm taller than Manley
- Susceptible to Scald and Septoria as are Manley and Harrington

Weaknesses:

- Susceptible to loose smut
- More susceptible to common root rot than Manley

Breeder:

Dr. Bryan Harvey
Crop Development Centre
University of Saskatchewan
Saskatoon, Saskatchewan

1996-98 Western Cooperative Two Row Barley Registration Trials

Entry	Yield (% Harrington)	Maturity (days)	Height (cm)	Lodging 1 = best 9 = flat	Kernel Weight (mg)	% Plump	Scald Rating	Net Blotch rating	Loose Smut	Other Smuts
Harrington	100	87.3	80	4.2	41.0	86.7	Susceptible	Susceptible	Susceptible	Susceptible
Manley	113	91.4	82	3.1	44.4	83.1	Susceptible	Intermediate	Intermediate	Intermediate
CDC Copeland	116	88.5	87	2.8	45.1	86.7	Susceptible	Intermediate	Intermediate	Intermediate

CMBTC Recommended List for 2026-2027

VARIETY	EXPORT DEMAND	DOMESTIC DEMAND	DISTRIBUTOR
AAC CONNECT	Growing	Growing	CANTERRA SEEDS
CDC FRASER	Growing	Growing	SeCan
CDC CHURCHILL	Growing	Growing	SeCan
AAC SYNERGY	Peaked	Peaked	FP Genetics
CDC COPELAND	Declining	Declining	SeCan

Please consult with your grain or malting company representatives about marketing and contracting opportunities when choosing a variety.

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

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 Fraser (2R)	43	110	12.1	+1	0	-0.7	R	G	R	MR	MS	MR	MR	R	MR	I
CDC Copeland (2R)	46	103	12.3	0	+5	-0.5	R	G	MS	I	I	I	I	S	MR	MR

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)		Relative Maturity	Height (cm)	-----Resistance to-----									
				Area 1 & 2	Area 3 & 4			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 Fraser	7	2	R	100	98	M	78	G	MR	R	R	MS	R	R	MS	MR	I
CDC Copeland	7	2	R	92	93	M	80	F	I	I	S	MS	MS	I	I	MR	MR

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			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)					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 Fraser	2	S	2017	37	102	103	101	+1	52	46	78	G	R	MR	MS	MR	MR	R	I
CDC Copeland	2	R	2025	145	95	93	96	0	52	48	86	F	MS	I	S	I	I	S	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

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