

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

CMBTC Recommended List for 2025

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

Seed Manitoba 2025 - Malting Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein +/- check	Maturity +/- 88 days	Height +/- 89cm	Test Tw. +/- 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	Fusarium Head Blight
AC Metcalfe	201	99	13.0	0	0	0	R	F	R	I	I	S	I	I	MR	I
AAC Synergy	91	114	12.2	0	-2	-0.4	R	G	S	I	I	MR	R	R	MR	I
CDC Austenson*	91	116	12.2	+1	0	+0.5	R	G	S	R	I	MS	R	MR	I	I
CDC Bow	55	107	12.1	+1	+3	+0.5	R	G	S	I	MS	S	MR	I	MR	I
CDC Churchill	46	113	12.3	+1	-5	-0.2	R	G	MS	MR	---	MR	MR	I	MR	MS
CDC Fraser	43	109	12.1	+1	0	-0.7	R	G	R	MR	MS	MR	MR	R	MR	I
CDC Copeland	41	102	12.3	0	+5	-0.5	R	G	MS	I	I	I	I	S	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 * Feed barley comparison

2025 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
AC Metcalfe	7	2	R	87	86	M	F	S	I	I	MS	R	I	I	MR	I
CDC Austenson*	7	2	R	102	103	M	G	MS	R	MR	S	S	R	I	I	I
CDC Bow	7	2	R	94	93	M	VG	S	MR	I	MS	S	I	MS	MR	MS
CDC Churchill	7	2	R	105	104	M	G	MR	MR	I	S	MS	MR	---	MR	MS
CDC Fraser	7	2	R	100	98	M	G	MR	R	R	MS	R	R	MS	MR	I
CDC Copeland	7	2	R	92	93	M	F	I	I	S	MS	MS	I	I	MR	I

M=Medium; L=Late; G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor
*Feed barley comparison

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2025 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)					122	85	147	93											
AAC Synergy	2	R	2024	164	100	100	100	0	53	49	81	F	S	I	S	R	MR	R	I
AC Metcalfe	2	R	2024	122	91	89	92	0	53	46	81	F	R	I	S	I	S	I	I
CDC Austenson*	2	R	2024	134	101	98	103	+2	54	49	81	G	S	R	S	R	MS	MR	I
CDC Bow	2	R	2016	38	97	98	96	+1	52	45	79	VG	S	I	MS	MR	S	I	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	R	2017	37	102	103	101	+1	52	46	78	G	R	MR	MS	MR	MR	R	I
CDC Copeland	2	R	2024	121	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
*Feed barley comparison

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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