

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Kindersley 2-Row Malting Barley



CDC Kindersley is an early maturing two-row malting barley that combines good agronomic performance with good disease resistance. CDC Kindersley has a malt profile that is very similar to AC Metcalfe with lower Beta-glucan and malt viscosity. It is widely adapted across the Canadian Prairies and is presently undergoing market development trials with maltsters and brewers.

Strengths:

- “**Market Development**” status from the **Canadian Malting Barley Technical Centre**
- 6% higher yield than AC Metcalfe (2007 & 2008 Coop Trials)
- Early maturity
- 2 cm shorter than AC Metcalfe
- Low malt β -glucan, viscosity and peeling
- Test weight greater than CDC Copeland
- Resistant to surface borne smut
- Moderately resistant to spotted net blotch
- Excellent malting quality very similar to AC Metcalfe

Neutral Traits:

- Straw strength similar to checks
- Grain protein similar to AC Metcalfe
- Grain plumpness and weight similar to checks
- FHB and DON accumulation similar to checks
- Malt enzymes similar to AC Metcalfe, greater than CDC Copeland

Weaknesses:

- Susceptible to scald, loose smut and septoria

Breeder:

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Crop Development Centre
University of Saskatchewan
Saskatoon, Saskatchewan

**Increasing Market Demand
IP Contract Recommended**

Averaged Characteristics from 2007 & 2008 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	104	93.2	10.7	88.1	4.7	46.2	90.7	64.5
Xena	113	93.9	--	82.9	4.6	48.5	91.2	66.5
AC Metcalfe	100	92.9	11.2	84.4	4.6	45.1	90.3	65.8
CDC Kindersley	106	91.8	11.2	82.5	4.6	45.6	90.9	66.3

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

Seed Manitoba 2017 - 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	165	94	12.8	0	0	0	R	F	R	I	I	S	I	I	MR	I
CDC Copeland	61	95	12.5	0	+5	-0.5	R	F	MS	I	I	I	I	S	MR	I
CDC Bow	30	100	11.9	+1	+3	+0.5	R	G	S	I	MS	S	MR	I	MR	MS
CDC Fraser	18	105	12.0	+1	0	-0.7	R	G	R	MR	MS	MR	MR	MR	MR	I
CDC Kindersley	33	100	12.6	-1	-3	0	R	G	S	R	I	MS	MR	I	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

2017 Saskatchewan Varieties of Grain - Malting Barley Comparison

Variety	# Rows	Awn Type	Yield as % of AC Metcalfe		Relative Maturity	Lodging	Resistance to:								
			Area 1 & 2	Area 2 & 3			Net-Form Net Blotch	Spot-Form Net Blotch	Spot Blotch	Scald	Loose Smut	Other Smuts	Root Rot	Stem Rust	Fusarium Head Blight
AC Metcalfe	2	R	100	100	M	G	S	I	I	MS	R	I	I	MR	I
CDC Copeland	2	R	107	108	M	G	I	I	S	MS	MS	I	I	MR	I
CDC Bow	2	R	116	111	M	VG	S	MR	I	MS	S	I	MS	MR	MS
CDC Fraser	2	R	113	116	M	G	MR	R	MR	MS	R	R	MS	MR	MR
CDC Kindersley	2	R	105	107	E	G	MS	MR	I	S	S	R	I	MR	I

M=Medium; L=Late; G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

2017 Alberta Seed Guide - Malting Barley Comparison

Variety	2 or 6 Row	Awn	All sites	Station Years	Low <60 bu/ac	Medium 60-90 bu/ac	High 90-120 bu/ac	Very High >120 bu/ac	Maturity Days +/- AC Metcalfe	Test Weight lb/bu	Kernel Weight g/1000k	Height (cm)	Lodging	Disease Tolerance						
														Loose Smut	Other Smuts	Root Rot		Spot Form Net blotch	Net Form Net Blotch	Tolerance to FHB
AC Metcalfe (bu/ac)					47	78	103	134												
AC Metcalfe	2	R	100		100	100	100	100	M	51	46	79	G	R	I	I	S	I	S	I
CDC Bow	2	R	104+	42	XX	106	105	104	M	51	48	77	VG	S	I	MSI	MS	MR	S	MS
CDC Copeland	2	R	103+	137	96	101	106+	104+	M	51	47	81	F	MS	I	I	S	I	I	I
CDC Fraser	2	R	107+	27	XX	106	109	107+	M	51	49	75	G	R	MR	MS	MS	MR	MR	I
CDC Kindersley	2	R	104+	47	XX	102	104	104+	E	53	43	78	G	S	R	I	S	MR	MS	I

Fl. & Cov. Smut=False Loose & Covered Smuts; R=Rough; G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

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

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