

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## CDC Meredith 2-Row Malting Barley



**CDC Meredith is an outstanding two-row malting barley with top grain yield and reduced grain protein.** CDC Meredith provides a moderate level of disease resistance along with improved agronomic traits and desirable malting quality. It is widely adapted across the Canadian prairies and is experiencing increasing demand with domestic maltsters, brewers and international customers.

### Strengths:

- **“Recommended Status” from the Canadian Malting Barley Technical Centre**
- 13% higher yield than AC Metcalfe (2005 & 2006 Coop Trials)
- Lodging resistance similar to AC Metcalfe
- 1.5 cm shorter than AC Metcalfe
- % plump kernels similar to AC Metcalfe
- Larger kernels than AC Metcalfe
- Very good resistance to spot-form net blotch
- Resistant to loose smut, similar to AC Metcalfe
- Excellent malting quality with moderate enzyme levels
- 1% lower grain protein than AC Metcalfe (2005 & 2006 Coop Trials)

### Neutral Traits:

- Susceptible to Scald, similar to AC Metcalfe and CDC Copeland
- Fair rating for Fusarium Head Blight resistance, similar to AC Metcalfe and CDC Copeland

### Weaknesses:

- 1.5 days later maturing than AC Metcalfe (1 day later than Harrington)
- Slightly lower test weight than AC Metcalfe

### Breeder:

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### Averaged Characteristics From 2005 & 2006 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)
AC Metcalfe	100	92.8	12.2	83.7	4.4	44.2	87.3	65.4
Harrington	93	92.1	12.1	81.6	4.9	42.3	81.6	63.1
Xena	115	93.4	--	83.1	3.7	49.0	90.2	66.3
<b>CDC Meredith</b>	<b>113</b>	<b>94.3</b>	<b>11.2</b>	<b>82.1</b>	<b>4.4</b>	<b>45.8</b>	<b>88.0</b>	<b>63.2</b>

## Seed Manitoba 2015 - Malting Barley Comparison

Variety	Site Years Tested	Yield bu/ac	Protein +/- check	Maturity +/- 88 days	Height +/- 35"	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	141	93	12.7	0	0	0	R	F	R	I	I	S	I	I	MR	I
CDC Copeland	60	94	12.5	0	+2	-0.5	R	F	MS	I	I	I	I	S	MR	I
CDC Kindersley	34	98	12.5	-1	-1	0	R	G	S	R	I	MS	MR	I	MR	I
<b>CDC Meredith</b>	<b>42</b>	<b>98</b>	<b>12.3</b>	<b>+2</b>	<b>-1</b>	<b>-2.1</b>	<b>R</b>	<b>F</b>	<b>R</b>	<b>MR</b>	<b>I</b>	<b>MS</b>	<b>R</b>	<b>MS</b>	<b>MR</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

## 2015 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	VP	F	F	P	VG	F	F	G	F
CDC Copeland	2	R	107	108	M	G	F	F	VP	P	P	F	F	G	F
CDC Kindersley	2	R	105	107	E	G	P	G	F	VP	VP	VG	F	G	F
<b>CDC Meredith</b>	<b>2</b>	<b>R</b>	<b>114</b>	<b>112</b>	<b>L</b>	<b>G</b>	<b>P</b>	<b>VG</b>	<b>P</b>	<b>P</b>	<b>VG</b>	<b>G</b>	<b>F</b>	<b>G</b>	<b>F</b>

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

## 2015 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	Scald	Spot Form Net blotch	Net Form Net Blotch	Tolerance to FHB
AC Metcalfe (bu/ac)					46	79	103	133												
AC Metcalfe	2	R	100	510	100	100	100	100	M	52	46	79	F	R	I	I	S	I	S	I
CDC Copeland	2	R	103+	137	96	101	106+	104+	M	51	47	81	F	MS	I	I	S	I	I	I
CDC Kindersley	2	R	104+	47	XX	102	104	104+	E	53	43	78	G	S	R	I	S	MR	MS	I
CDC Meredith	2	R	107+	65	102	108+	108+	107+	L	51	46	75	F	R	MR	MR	S	R	S	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

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