

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AC Metcalfe

## 2-Row Malting Barley



### Strengths:

- “Recommended” status from the Canadian Malting Barley Technical Centre
- #1 malting barley variety in acres and selection

### Malting Features:

- Excellent malting quality
- Large, plump kernels
- Higher malt extract than Harrington
- Better hull adherence than Harrington
- Established domestic and export market demand

### Agronomic Features:

- Broadly adapted
- Higher yield than Harrington

- Height and lodging resistance similar to Manley
- 3 days earlier maturing than Manley
- 1 day later maturing than Harrington
- Improved smut and net blotch resistance
- Moderate fusarium resistance

### Breeder:

Dr. W. G. Legge  
Agriculture & Agri-Food Canada  
Brandon, MB



## Recommended Malting Barley Varieties 2012-13

These recommendations are based on the varieties expected to be selected by grain and malting companies for both domestic and export markets from the 2012 harvest. Seeding decisions should be based on agronomic considerations and feedback from your grain company representative, local elevator operators and malting companies. This list is published on behalf of the members of the CMBTC, and other companies that have provided their input. Varieties not listed are not recommended. The varieties are listed in descending order to the amount selected in 2011.

## Recommended Two-Row Barley Varieties

VARIETY	DOMESTIC	EXPORT	MARKET DEMAND
AC Metcalfe <sub>4</sub>	Established	Established	Stable Demand
CDC Copeland <sub>4</sub>	Established	Established	Stable Demand
CDC Polarstar <sub>5</sub> **	Limited	Limited	Stable Demand
Newdale <sub>3</sub>	Established	Limited	Declining Demand
CDC Meredith <sub>4</sub>	Limited	Limited	Increasing Demand

Bentley, Major, Merit 57, Norman, Cerveza, CDC Kindersley and CDC Reserve are not yet being grown for the commercial market. Production is limited to quantities required for testing and market development. \*\*CDC Polarstar is available only through a closed loop Identity Preserved program offered by Prairie Malt Limited/Sapporo Breweries and their agents.

*The CMBTC recommends the use of Certified seed to ensure varietal purity and to increase opportunity for selection.*

The following companies have pedigreed seed distribution rights for those varieties that are footnoted:

1-Viterra; 2-BARI-Canada; 3-FP Genetics; 4-SeCan; 5-Canterra Seeds

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

## Seed Manitoba 2012 - Malting Barley Comparison

Variety	Yield Long Term (% of AC Metcalfe)	Site Years	2 or 6 Row	Protein +/- check	Relative Maturity (days)	Height Inches	Test Weight (lb/bu)	Lodging	Loose Smut	Surface-Borne Smut	Root Rot	Netted Net Blotch	Spotted Net Blotch	Spot Blotch	Stem Rust	Fusarium Head Blight
<b>AC Metcalfe</b>	<b>100</b>	<b>125</b>	<b>2</b>	<b>12.5%</b>	<b>88</b>	<b>35</b>	<b>48.7</b>	<b>F</b>	<b>R</b>	<b>I</b>	<b>I</b>	<b>S</b>	<b>I</b>	<b>I</b>	<b>MR</b>	<b>I</b>
CDC Copeland	100	37	2	-0.3	0	+2	-0.5	F	MS	I	I	I	I	S	MR	I
CDC Kindersley	106	14	2	-0.3	-1	-1	0	G	S	R	I	MS	MR	I	MR	I
CDC Meredith	107	37	2	-0.5	+2	-1	-2.1	F	R	MR	I	MS	R	MS	MR	I

F=Fair; G=Good; VG=Very Good; R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

## 2012 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	
<b>AC Metcalfe</b>	<b>2</b>	<b>R</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>G</b>	<b>VP</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>P</b>	<b>VG</b>	<b>F</b>	<b>F</b>	<b>G</b>	<b>F</b>
CDC Copeland	2	R	107	108	M	G	F	F	VP	P	P	F	F	F	G	F
CDC Kindersley	2	R	104	104	E	G	P	G	F	VP	VP	VG	F	F	F	F
CDC Meredith	2	R	115	112	L	G	P	VG	P	P	VG	G	F	G	G	F

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

## 2012 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	Test Weight lb/bu	Kernel Weight g/1000k	Height (cm)	Resistance to:							
													Lodging	Loose Smut	Fl & Cov. Smuts	Com Root Rot	Scald	Spot Form Net blotch	Net Form Net Blotch	Tolerance to FHB
<b>AC Metcalfe</b>	<b>2</b>	<b>R</b>	<b>100</b>	<b>423</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>M</b>	<b>52</b>	<b>46</b>	<b>80</b>	<b>G</b>	<b>VG</b>	<b>F</b>	<b>F</b>	<b>VP</b>	<b>F</b>	<b>VP</b>	<b>F</b>
CDC Copeland	2	R	103+	137	100	103	104+	102	M	51	47	81	G	P	F	F	VP	F	F	F
CDC Kindersley	2	R	102	31	XX	102	99	103	E	XX	XX	79	G	VP	VG	F	VP	G	P	F
CDC Meredith	2	R	108+	61	102	109+	108+	108+	L	51	46	75	G	VG	G	G	VP	VG	VP	F

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