

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 2015-16

The following varieties of two-row and six-row malting barley are registered with the Canadian Food Inspection Agency based on good agronomic and industry malting quality evaluations. Since registration these varieties have been pilot scale tested by the CMBTC for their malting and brewing properties. All varieties listed below exhibit good malting and brewing properties. In addition to market opportunities, seeding decisions should be based on agronomic considerations and feedback from your grain company representative, local elevator operators and malting companies. *The CMBTC and its members recommend that you talk with your local malting barley buyer about opportunities in your area to grow and market two-row and six-row malting barley varieties.* Visit CMBTC's website for detailed pilot malting and brewing data - www.cmbtc.com/CMBTC_Site/Variety_Technical_Data.html

Two-Row Varieties

VARIETY	MARKET COMMENTS
CDC Copeland ₁	Established Demand
AC Metcalfe ₁	Established Demand
CDC Meredith ₁	Limited, Increasing Demand
Bentley ₂	Limited, Stable Demand
CDC Kindersley ₁	Undergoing Commercial Market Development
Cerveza ₆	Undergoing Commercial Market Development
AAC Synergy ₅	Undergoing Commercial Market Development

The following companies have pedigreed seed distribution rights for those varieties that are footnoted:
1-SeCan; 2 - CANTERRA SEEDS; 3 - Crop Production Services; 4 - FP Genetics; 5 - Syngenta; 6 - Mastin Seeds;

CMBTC and its' members strongly recommend use of certified seed to ensure varietal purity and increase opportunity for selection.

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

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
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
CDC Meredith	42	98	12.3	+2	-1	-2.1	R	F	R	MR	I	MS	R	MS	MR	I
AC Metcalfe	141	93	12.7	0	0	0	R	F	R	I	I	S	I	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

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
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
CDC Meredith	2	R	114	112	L	G	P	VG	P	P	VG	G	F	G	F
AC Metcalfe	2	R	100	100	M	G	VP	F	F	P	VG	F	F	G	F

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												
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
AC Metcalfe	2	R	100	510	100	100	100	100	M	52	46	79	F	R	I	I	S	I	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