

# AC METCALFE

Two-rowed, a cross of Oxbow/Manley, was fully registered in 1997, and was developed by Dr. Bill Legge, Brandon Research Centre, Agriculture and Agri-Food Canada.

## Agronomic traits

- Higher yield
- Early maturity than Manley
- Fair lodging resistance
- Good disease resistance

## Malting quality traits

- Improved resistance to peeling
- Higher extract
- Average enzyme levels and soluble protein
- Low wort beta-glucan
- Fast modification


## Brewing quality traits

- Good overall brewhouse performance
- Fast conversion time
- Acceptable lautering performance
- Good yield and material efficiencies

## Overall comments

AC Metcalfe's high levels of extract and enzymes make this variety very suitable when used with higher levels of adjuncts. Its low Beta-glucan content makes AC Metcalfe attractive to brewers who experience problems with slow runoffs and poor beer filtration.

## Comparative malt quality parameters

 CMBTC™ CANADIAN MALTING BARLEY TECHNICAL CENTRE	AC Metcalfe	CDC Copeland
Fine Extract, %	~81.5	~81.0
Color, EBC	3.0 - 4.5	2.0 - 3.5
Total Protein, %	~12.5	~12.5
Soluble Protein, %	4.7 - 5.3	4.5 - 5.0
Kolbach Index	42 - 48	42 - 44
Diastatic Power, °L	110 - 150	100 - 130
Wort Beta – Glucan, ppm	70 - 120	70 - 110
FAN, ppm (Mean ± Std.)	218 ± 27.9	194 ± 31.2

[cmbtc.com](http://cmbtc.com)

### For more information

**Peter Watts**

Telephone

Fax

E-mail

**Managing Director**

204-983-1981

204-984-5843

pwatts@cmbtc.com

**Dr. Yueshu Li**

Telephone

Fax

E-mail

**Director of Malting & Brewing Operations**

204-984-0561

204-984-5843

yli@cmbtc.com

