

# MERIT 57

A two-rowed cross of Merit//Merit/2B94-5744, registered in 2007, and was developed by Dr. Blake Cooper, Busch Agricultural Resources LLC, Fort Collins, United States of America.

## Agronomic traits

- Yield significantly higher than AC Metcalfe and CDC Copeland
- Slightly better lodge resistance than AC Metcalfe
- Later maturity than AC Metcalfe
- Good diseases resistance

## Malting quality traits

- Superior extract, higher than AC Metcalfe
- Lower barley protein
- Enzyme levels comparable to AC Metcalfe
- Beta-glucan comparable to AC Metcalfe


## Brewing quality traits

- Good overall brew house performance
- Very fast conversion time
- Lautering time comparable to AC Metcalfe
- Very good yield and material efficiencies
- Very good fermentability

## Overall comments

In addition to being a high yielder, Merit 57 performed comparably to AC Metcalfe in the malt house and brew house, able to produce malt with very high extract yield and higher levels of enzymes, which make this variety very suitable when used with higher levels of adjuncts.

## Comparative malt quality parameters

 CMBTC™ CANADIAN MALTING BARLEY TECHNICAL CENTRE	Merit 57	AC Metcalfe	CDC Copeland
Fine Extract, %	~82.5	~81.5	~81.0
Color, EBC	4.0 - 5.5	3.0 - 4.0	2.0 - 3.5
Total Protein, %	~10.5	~12.5	~12.5
Soluble Protein, %	5.0 - 5.5	4.7 - 5.3	4.5 - 5.0
Kolbach Index	44 - 50	44 - 48	42 - 44
Diastatic Power, °L	110 - 145	110 - 130	100 - 130
Wort Beta - Glucan, ppm	70 - 120	70 - 110	70 - 110
FAN, ppm (Mean & Std)	246 ± 19.4	218 ± 27.9	194 ± 31.2

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### For more information

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