

# BENTLEY

Two-rowed cross of C2-89-86 (ND10419/ND11231) and TR229, registered in 2008 and was developed by Dr. Pat Juskiw at the Field Crop Development Centre, Alberta Agriculture.

## Agronomic traits

- Yield significantly higher than AC Metcalfe
- Matures slightly later than AC Metcalfe
- Very high percentage of plump kernels and good kernel weight
- Better lodging resistance
- Good disease resistance

## Malting quality traits

- Good extract yield
- Lower barley protein
- Moderate enzyme levels
- Good protein modification and good friability


## Brewing quality traits

- Good overall brewhouse performance
- Conversion time comparable to AC Metcalfe and CDC Copeland
- Longer lautering time than AC Metcalfe and CDC Copeland
- Very good brewhouse yield and material efficiencies
- Good fermentability

## Overall comments

Bentley is a multiuse barley variety with grain yield higher than AC Metcalfe and comparable to CDC Copeland. It performs well in malting and brewing trials. Its malt offers good extract yield, good FAN and moderate enzymes which is a preferred quality trait to some craft brewers for all malt beers.

## Comparative malt quality parameters

 CMBTC™ CANADIAN MALTING BARLEY TECHNICAL CENTRE	Bentley	AC Metcalfe	CDC Copeland
Fine Extract, %	~81.0	~81.5	~81.0
Color, EBC	3.0 - 4.5	3.0 - 4.5	2.0 - 3.5
Total Protein, %	~11.0	~12.5	~12.5
Soluble Protein, %	4.2 - 5.2	4.7 - 5.3	4.5 - 5.0
Kolbach Index	40 - 45	42 - 48	42 - 44
Diastatic Power, °L	100 - 130	110 - 150	100 - 130
Wort Beta - Glucan, ppm	90 - 130	70 - 120	70 - 110
FAN, ppm (Mean ±Std.)	208 ± 35.2	218 ± 27.9	194 ± 31.2

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