

Ordinary Bitter Homebrew Challenge

- Gravity **8.8 BLG**
- ABV **3.4 %**
- IBU **26**
- SRM **8**
- Style **Standard/Ordinary Bitter**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **23.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **20.1 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **23.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	2.88 kg (86%)	81 %	6
Grain	Crystal II 200	0.235 kg (7%)	71 %	200
Grain	Strzegom Bursztynowy/cookie	0.235 kg (7%)	70 %	49

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	25 g	60 min	5.1 %
Aroma (end of boil)	Fuggles	25 g	20 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM10 O czym szumią wierzbę	Ale	Liquid	100 ml	Fermentum Mobile