

## Best Bitter (BB)

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **41**
- SRM **14.4**
- Style **Special/Best/Premium 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 **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

### Steps

- Temp **65 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

### Mash step by step

- Heat up **18.6 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **75C**
- Sparge using **12.9 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (80.6%)	72 %	5
Grain	Caramel/Crystal Malt - 80L	0.4 kg (6.5%)	72 %	158
Grain	Weyermann - Carared	0.3 kg (4.8%)	72 %	50
Grain	Biscuit Malt	0.25 kg (4%)	72 %	50
Grain	Karmelowy Viking	0.1 kg (1.6%)	72 %	300
Grain	Thomas Fawcett Brown Malt	0.15 kg (2.4%)	72 %	300

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Goldings	60 g	60 min	3.1 %
Boil	Fuggles	15 g	60 min	4.2 %
Boil	Goldings	30 g	30 min	3.1 %
Boil	Fuggles	15 g	30 min	4.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
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WLP002 - English Ale Yeast	Ale	Slant	300 ml	White Labs
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## Notes

- 25/10/2023 - warzenie  
5/11/2023 - na cichą  
12/11/2023 - butelkowanie 19l, 5 BLG, 50g glukozy  
*Oct 27, 2023, 12:58 PM*