

# English Barley Wine

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **35**
- SRM **10**
- Style **English Barleywine**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Steps

- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **16.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **4.4 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	5 kg (92.6%)	81 %	6
Grain	Simpsons - Imperial Malt	0.2 kg (3.7%)	75 %	43
Grain	Caramel/Crystal Malt - 60L	0.2 kg (3.7%)	74 %	118

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	20 g	60 min	11 %
Boil	East Kent Goldings	30 g	10 min	5.1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	100 ml	Safale

## Extras

Type	Name	Amount	Use for	Time
Water Agent	gips	2.5 g	Mash	60 min
Water Agent	chlerek wapnia	3 g	Mash	60 min