

# English Barleywine 40L

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- Gravity **24.4 BLG**
- ABV ---
- IBU **46**
- SRM **19**
- Style **English Barleywine**

## Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **2 %**
- Size with trub loss **40.8 liter(s)**
- Boil time **180 min**
- Evaporation rate **15 %/h**
- Boil size **60.9 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **36 liter(s)**
- Total mash volume **54 liter(s)**

## Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **36 liter(s)** of strike water to **76.3C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **42.9 liter(s)** of **76C** water or to achieve **60.9 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	15 kg (83.3%)	80 %	7
Grain	Karmelowy Czerwony	2 kg (11.1%)	75 %	59
Grain	Strzegom Karmel 300	1 kg (5.6%)	70 %	300

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	100 g	60 min	10 %
Boil	Lublin (Lubelski)	100 g	30 min	3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M27 Belgian Ale	Ale	Dry	16 g	Mangrove Jack's