

# Wee Heavy

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- Gravity **18.9 BLG**
- ABV ---
- IBU **33**
- SRM **15.1**
- Style **Scottish Heavy 70/-**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **12.1 liter(s)**
- Total mash volume **16.9 liter(s)**

## Steps

- Temp **67.7 C**, Time **60 min**

## Mash step by step

- Heat up **12.1 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **67.7C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Golden Promise	4.75 kg (98.5%)	81 %	4
Grain	Simpsons - Roasted Barley	0.07 kg (1.5%)	70 %	1084

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Kent Goldings	50 g	60 min	5.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM12 W szkocką kratę	Ale	Liquid	100 ml	Fermentum Mobile