

## Stuck in gravity II

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- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **40**
- SRM **23.4**
- Style **English Barleywine**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **13.5 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

### Steps

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

### Mash step by step

- Heat up **12.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **4.9 liter(s)** of **76C** water or to achieve **13.5 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.3 kg (76.7%)	90 %	5
Grain	Biscuit Malt	0.5 kg (11.6%)	79 %	45
Grain	Strzegom Karmel 300	0.5 kg (11.6%)	70 %	299

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	50 g	20 min	8.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Slant	250 ml	Fermentum Mobile