

# Hafeweizen 02.2020

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **10**
- SRM **4.1**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.7 liter(s)**
- Total mash volume **22.7 liter(s)**

## Steps

- Temp **44 C**, Time **20 min**
- Temp **63 C**, Time **45 min**
- Temp **68 C**, Time **20 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **17.7 liter(s)** of strike water to **47.4C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **63C**
- Keep mash **20 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **15.2 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.8 kg (55.4%)	85 %	4
Grain	Pilzneński	2 kg (39.6%)	81 %	4
Grain	Melanoiden Malt	0.2 kg (4%)	80 %	39
Grain	Weyermann - Acidulated Malt	0.05 kg (1%)	80 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	15 g	60 min	4 %
Boil	Lublin (Lubelski)	15 g	20 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Bavarian Wheat 11	Wheat	Dry	10 g	Gozdowa