

# Pszenica

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- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **12**
- SRM **4.6**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **19.2 liter(s)**

## Steps

- Temp **44 C**, Time **20 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **20 min**

## Mash step by step

- Heat up **14.4 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **63C**
- Keep mash **20 min** at **72C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.3 kg (47.9%)	85 %	4
Grain	Pilznieński	2.3 kg (47.9%)	81 %	4
Grain	Viking melanoidynowy	0.2 kg (4.2%)	75 %	60

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	15 g	60 min	6 %
Boil	Tradition	15 g	5 min	6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	20 ml	Fermentum Mobile