

Prawdziwe pszeniczne

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **9**
- SRM **3.8**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.85 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20.2 liter(s)**

Steps

- Temp **46 C**, Time **15 min**
- Temp **63 C**, Time **25 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **50.6C**
- Add grains
- Keep mash **15 min** at **46C**
- Keep mash **25 min** at **63C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **22 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	3.1 kg (59%)	85 %	4
Grain	Pilzneński	1.9 kg (36.2%)	81 %	4
Grain	Strzegom Karmel 30	0.25 kg (4.8%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	25 g	60 min	4 %