

# Leśna Owsianka

- Gravity **14 BLG**
- ABV ---
- IBU **41**
- SRM **40**
- Style **Oatmeal Stout**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **3 %**
- Size with trub loss **22.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **28.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **28.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Wheat Malt	3 kg (54.5%)	85 %	5
Grain	Chocolate Malt (UK)	0.5 kg (9.1%)	73 %	887
Grain	Kawowy	0.2 kg (3.6%)	65 %	500
Grain	Strzegom Jęczmień palony	0.1 kg (1.8%)	55 %	1100
Grain	Strzegom Karmel 30	0.5 kg (9.1%)	75 %	30
Grain	Caraaroma	0.2 kg (3.6%)	78 %	400
Grain	Oats, Flaked	1 kg (18.2%)	80 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	25 g	60 min	15.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Irish Ale	Ale	Liquid	200 ml	Wyeast Labs

## Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

Type	Name	Amount	Use for	Time
Fining	Mech Irlandzki	10 g	Boil	15 min