

## Torf na żytowisku [peated rye ale]

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **20**
- SRM **4.4**
- Style **American Wheat or Rye Beer**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

### Steps

- Temp **65 C**, Time **60 min**

### Mash step by step

- Heat up **12 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Peat Smoked Malt	3 kg (75%)	74 %	6
Grain	Żytni	1 kg (25%)	85 %	8

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Equinox	10 g	90 min	13.1 %
Aroma (end of boil)	Equinox	40 g	0 min	13.1 %
Dry Hop	Citra	50 g	2 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis