# żytnie

- Gravity 13.3 BLG
- ABV ----
- IBU **22**
- SRM **18.2**
- Style Roggenbier

#### **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 26.8 liter(s)

#### **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.8 liter(s)
- Total mash volume 21 liter(s)

### **Steps**

- Temp 67 C, Time 60 minTemp 76 C, Time 5 min

## Mash step by step

- Heat up 15.8 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 5 min at 76C
- Sparge using 16.3 liter(s) of 76C water or to achieve 26.8 liter(s) of wort

#### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Żytni	2.4 kg <i>(45.7%)</i>	85 %	8
Grain	Monachijski	1.3 kg <i>(24.8%)</i>	80 %	16
Grain	Pilzneński	1.2 kg <i>(22.9%)</i>	81 %	4
Grain	Caraaroma	0.15 kg <i>(2.9%)</i>	78 %	400
Grain	Weyermann - Carafa I	0.1 kg <i>(1.9%)</i>	70 %	690
Grain	zakwaszający	0.1 kg <i>(1.9%)</i>	70 %	6

#### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zeus	15 g	40 min	15.5 %

## **Yeasts**

Name	Туре	Form	Amount	Laboratory
WLP300 - Hefeweizen Ale Yeast	Wheat	Liquid	110 ml	

## **Extras**

Type	Name	Amount	Use for	Time
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Other	l łuska ryzowa	150 a	Mash	l 0 min
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