żytnie

- Gravity 17 BLG
- ABV ---
- IBU **21**
- SRM **19.6**
- Style Roggenbier

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss --- %
- Size with trub loss --- liter(s)
- Boil time 90 min
- Evaporation rate --- %/h
- Boil size --- liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio --- liter(s) / kg
- Mash size 25 liter(s)
- Total mash volume 30.5 liter(s)

Steps

- Temp **62 C**, Time **50 min** Temp **72 C**, Time **20 min**
- Temp 78 C, Time 10 min

Mash step by step

- Heat up 25 liter(s) of strike water to 66.6C
- Add grains
- Keep mash 50 min at 62C
- Keep mash 20 min at 72C
- Keep mash 10 min at 78C
- Sparge using -19.5 liter(s) of 76C water

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Monachijski	3 kg	80 %	20
Grain	Żytni	2 kg	85 %	9
Grain	Strzegom Karmel 150	0.5 kg	75 %	180

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	13 g	90 min	10 %
Aroma (end of boil)	lunga	10 g	30 min	10 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safbrew WB-06	Wheat	Dry	11 g	Safbrew

Extras

Туре	Name	Amount	Use for	Time
Fining	Mech Irlandzki	4 g	Boil	10 min