

# Żytni Imperialny Stout 18blg

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **57**
- SRM **41.4**
- Style **Foreign Extra Stout**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.5 liter(s)**
- Total mash volume **34 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (47.1%)	80 %	5
Grain	Rye Malt	2 kg (23.5%)	63 %	10
Grain	Fawcett - czekoladowy 1200	0.5 kg (5.9%)	71 %	1200
Grain	Weyermann - Chocolate Rye	0.5 kg (5.9%)	20 %	493
Grain	Pszeniczny	1 kg (11.8%)	85 %	4
Grain	Karmelowy żytni Strzegom	0.5 kg (5.9%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	50 g	60 min	13.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	200 ml	---