

# Owies od rolnika

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- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU ---
- SRM **4.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **30.2 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **24.3 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **18.9 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (59.5%)	81 %	4
Adjunct	Owies niesłodowany	3 kg (35.7%)	75 %	3
Grain	Płatki ryżowe	0.4 kg (4.8%)	60 %	3

## Yeasts

Name	Type	Form	Amount	Laboratory
imperial Yeast barbarian	Ale	Slant	1500 ml	---