

# Rye AIPA

- Gravity **14.5 BLG**
- ABV ---
- IBU **83**
- SRM **13.3**
- Style **Rye IPA**

## Batch size

- Expected quantity of finished beer **18.2 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

## Steps

- Temp **45 C**, Time **30 min**
- Temp **68 C**, Time **80 min**

## Mash step by step

- Heat up **15.6 liter(s)** of strike water to **49.2C**
- Add grains
- Keep mash **30 min** at **45C**
- Keep mash **80 min** at **68C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **23 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3.6 kg (69.2%)	79 %	6
Grain	Żytni	1.2 kg (23.1%)	85 %	8
Grain	Karmelowy żytni Strzegom	0.4 kg (7.7%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	15 g	60 min	15.5 %
Boil	Mosaic	30 g	15 min	10 %
Boil	Mosaic	30 g	10 min	10 %
Boil	Cascade	25 g	10 min	6 %
Boil	Sorachi Ace	30 g	5 min	10 %
Boil	Zythos	30 g	5 min	11 %

## Yeasts

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