

# Fruit Beer - podstawa

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- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **13**
- SRM **4.4**
- Style **Fruit Beer**

## 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 **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **55 C**, Time **15 min**
- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **15 min** at **55C**
- Keep mash **50 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg (20%)	81 %	4
Grain	Pszeniczny	1 kg (50%)	85 %	4
Grain	Słód karmelowy Carabody	0.5 kg (10%)	75 %	30
Grain	Płatki pszeniczne	1 kg (20%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Izabella	25 g	60 min	5.1 %

## Yeasts

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

## Extras

Type	Name	Amount	Use for	Time
Flavor	Pulpa owocowa	3000 g	Secondary	16 day(s)

Other	Lactobacillus Plantarum	5 g	Mash	1440 min
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