

# Saison Starej

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **25**
- SRM **5.2**
- Style **Saison**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.7 liter(s)**
- Total mash volume **11.6 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **8.7 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **9.4 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1.7 kg (58.6%)	81 %	4
Grain	Pszeniczny	0.5 kg (17.2%)	85 %	4
Grain	Strzegom Wiedeński	0.5 kg (17.2%)	79 %	10
Grain	Biscuit Malt/Cookie	0.2 kg (6.9%)	79 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	10 g	60 min	11 %
Boil	Lublin (Lubelski)	50 g	3 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M29 French Saison	Ale	Dry	11 g	Mangrove Jack's

## Extras

Type	Name	Amount	Use for	Time
Flavor	skórka pomarańczy	5 g	Secondary	3 day(s)