

# Sezon na Belgię - bazowy na Kickstarter

- Gravity **13.3 BLG**
- ABV ---
- IBU **39**
- SRM **7.5**
- Style **Saison**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **8 %**
- Size with trub loss **20.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.6 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **1 min** at **78C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **24.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Monachijski	2.5 kg (41.7%)	80 %	16
Grain	Strzegom Pilzneński	2.5 kg (41.7%)	80 %	4
Grain	Strzegom Wiedeński	1 kg (16.7%)	79 %	10

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	20 g	50 min	7 %
Boil	Perle	40 g	15 min	7 %
Boil	Centennial	20 g	7 min	10 %
Whirlpool	Centennial	10 g	-5 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM21 Odkrycie sezonu	Ale	Liquid	30 ml	Fermentum Mobile