

## Saison

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- Gravity **11.7 BLG**
- ABV ---
- IBU **42**
- SRM **9.8**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **28 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.4 liter(s)**
- Total mash volume **21.1 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **5 min**

### Mash step by step

- Heat up **16.4 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **28 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.7 kg (57.4%)	80 %	4
Grain	Strzegom Wiedeński	0.8 kg (17%)	79 %	10
Grain	Pszeniczny	0.7 kg (14.9%)	85 %	4
Grain	Carahell	0.2 kg (4.3%)	77 %	26
Grain	Caraaroma	0.2 kg (4.3%)	78 %	400
Grain	Acid Malt	0.1 kg (2.1%)	58.7 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	65 min	10 %
Boil	Saaz (Czech Republic)	20 g	20 min	4.5 %
Boil	Saaz (Czech Republic)	10 g	5 min	4.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Danstar Belle Saison	Ale	Dry	11 g	Danstar

## Extras

Type	Name	Amount	Use for	Time
Spice	Suszona skórka pomarańczy	20 g	Boil	20 min
Other	Glukoza	300 g	Boil	5 min