

Saison 1

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **21**
- SRM **9.8**
- Style **Saison**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.2 liter(s)**
- Total mash volume **22.1 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **17.2 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **13 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------|----------------|--------|-----|
| Grain | Pilsner (2 Row) Bel | 2.7 kg (55.1%) | 79 % | 4 |
| Grain | Weyermann - Vienna Malt | 0.8 kg (16.3%) | 81 % | 8 |
| Grain | Pszeniczny | 0.7 kg (14.3%) | 85 % | 4 |
| Grain | Carahell | 0.2 kg (4.1%) | 77 % | 26 |
| Grain | Caraaroma | 0.2 kg (4.1%) | 78 % | 400 |
| Grain | Acid Malt | 0.1 kg (2%) | 58.7 % | 6 |
| Grain | Płatki owsiane | 0.2 kg (4.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil | lunga | 15 g | 60 min | 11 % |
| Aroma (end of boil) | Experimental P10/9 FR | 40 g | 0 min | 6.9 % |
| Aroma (end of boil) | Experimental P10/9 FR | 10 g | 10 min | 6.9 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|------|--------|--------|------------|
| Saison Brett Blend | Ale | Liquid | 35 ml | Yeast bay |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-------------------------------|--------|---------|--------|
| Spice | Skórki limonki kaffir swierze | 35 g | Boil | 15 min |
| Other | Pozywka | 5 g | Boil | 10 min |