

## Saison

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **33**
- SRM **6.5**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **17 %/h**
- Boil size **31.5 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **36 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **28 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **31.5 liter(s)** of wort

### Fermentables

| Type  | Name            | Amount         | Yield | EBC |
|-------|-----------------|----------------|-------|-----|
| Grain | Pilzneński      | 6.5 kg (81.3%) | 79 %  | 6   |
| Grain | Żytni           | 0.5 kg (6.3%)  | 85 %  | 8   |
| Grain | Pszeniczny      | 0.5 kg (6.3%)  | 85 %  | 4   |
| Grain | Karmelowy Jasny | 0.5 kg (6.3%)  | 75 %  | 30  |

### Hops

| Use for | Name     | Amount | Time     | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil    | Citra    | 10 g   | 60 min   | 12 %       |
| Boil    | Amarillo | 10 g   | 60 min   | 9.5 %      |
| Boil    | Citra    | 10 g   | 30 min   | 12 %       |
| Boil    | Amarillo | 10 g   | 30 min   | 9.5 %      |
| Boil    | Citra    | 10 g   | 1 min    | 12 %       |
| Boil    | Amarillo | 10 g   | 1 min    | 9.5 %      |
| Dry Hop | Citra    | 20 g   | 5 day(s) | 12 %       |
| Dry Hop | Amarillo | 20 g   | 5 day(s) | 9.5 %      |

## Yeasts

| Name                 | Type | Form  | Amount | Laboratory |
|----------------------|------|-------|--------|------------|
| FM21 Odkrycie sezonu | Ale  | Slant | 200 ml | FM         |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 7 g    | Boil    | 15 min |
| Spice  | Curacao        | 30 g   | Boil    | 15 min |