

## Sezonowe

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- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **17**
- SRM **4.4**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

### Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **21 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **74 C**, Time **20 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **74C**
- Keep mash **1 min** at **78C**
- Sparge using **18.5 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

### Fermentables

| Type  | Name                    | Amount         | Yield | EBC |
|-------|-------------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt     | 3 kg (56.1%)   | 82 %  | 4   |
| Grain | Viking Wheat Malt       | 1 kg (18.7%)   | 83 %  | 5   |
| Grain | Weyermann - Vienna Malt | 1 kg (18.7%)   | 81 %  | 8   |
| Grain | Strzegom Karmel 30      | 0.25 kg (4.7%) | 75 %  | 30  |
| Sugar | Cukier                  | 0.1 kg (1.9%)  | --- % | --- |

### Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 20 g   | 60 min | 5.8 %      |
| Boil    | Lublin (Lubelski) | 20 g   | 5 min  | 5.8 %      |
| Boil    | Tomyski           | 25 g   | 15 min | 3.8 %      |

### Yeasts

| Name                 | Type | Form   | Amount | Laboratory       |
|----------------------|------|--------|--------|------------------|
| FM21 Odkrycie sezonu | Ale  | Liquid | 10 ml  | Fermentum Mobile |

### Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type  | Name    | Amount | Use for | Time   |
|-------|---------|--------|---------|--------|
| Spice | Curacao | 20 g   | Boil    | 15 min |