

## Saison 1

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **24**
- SRM **4.6**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **23.1 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **12.5 liter(s)**
- Total mash volume **16.3 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

### Mash step by step

- Heat up **12.5 liter(s)** of strike water to **70.7C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **14.4 liter(s)** of **76C** water or to achieve **23.1 liter(s)** of wort

### Fermentables

| Type  | Name               | Amount         | Yield | EBC |
|-------|--------------------|----------------|-------|-----|
| Grain | Pilsner Malz Best  | 2.5 kg (62.5%) | 81 %  | 3   |
| Grain | Wiener Malz Best   | 0.4 kg (10%)   | 80 %  | 8   |
| Grain | Weizenmalz Best    | 0.4 kg (10%)   | 82 %  | 4   |
| Grain | Carahell Best      | 0.2 kg (5%)    | 75 %  | 30  |
| Grain | Caramel Aroma Best | 0.2 kg (5%)    | --- % | 50  |
| Grain | sauermalz          | 0.1 kg (2.5%)  | 100 % | 4   |
| Sugar | Glukoza            | 0.2 kg (5%)    | --- % | --- |

### Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | Hallertau Mittelfrüh  | 30 g   | 45 min | 5.2 %      |
| Boil                | Saaz (Czech Republic) | 20 g   | 15 min | 3.8 %      |
| Aroma (end of boil) | Saaz (Czech Republic) | 10 g   | 5 min  | 3.8 %      |

### Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                        |     |     |      |         |
|------------------------|-----|-----|------|---------|
| Danstar - Belle Saison | Ale | Dry | 11 g | Danstar |
|------------------------|-----|-----|------|---------|