

DrStro's Winter Seminar (Saison)

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **24**
- SRM **11**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **78.5 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------|-----------------|-------|-----|
| Grain | Pilzneński | 4.25 kg (65.4%) | 80 % | 4 |
| Grain | Wiedeński | 1 kg (15.4%) | 79 % | 9 |
| Grain | Caraamber | 0.5 kg (7.7%) | 75 % | 65 |
| Grain | Caraaroma | 0.25 kg (3.8%) | 74 % | 400 |
| Grain | Pszeniczny | 0.5 kg (7.7%) | 82 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | PL lunga | 15 g | 60 min | 10 % |
| Boil | PL lunga | 15 g | 30 min | 10 % |
| Aroma (end of boil) | Kazbek | 15 g | 5 min | 4.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---|------|-------|---------|------------|
| FM21 Odkrycie sezonu - starter 1l bez cieczy (gęstwa) | Ale | Slant | 1000 ml | FM |

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 | Bergamotka | 20 g | Boil | 20 min |

Notes

- Inspiracja: <http://blog.homebrewing.pl/saison-receptura/>
Inspiracja 2: <https://brewness.com/pl/recipe/saison-iii/view>
Starter: <http://blog.homebrewing.pl/starter-drozdowy-prosta-instrukcja-ze-zdjeciami/>
Profil: <http://www.wiki.piwo.org/Saison>
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