

belgian dubbel

- Gravity **15.9 BLG**
- ABV ---
- IBU **25**
- SRM **7.7**
- Style **Belgian Dubbel**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **30.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **50 C**, Time **10 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **30 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Strzegom Pilzneński | 4 kg (57.1%) | 80 % | 4 |
| Grain | Strzegom Pszeniczny | 1 kg (14.3%) | 81 % | 6 |
| Grain | Strzegom Wiedeński | 1 kg (14.3%) | 79 % | 10 |
| Grain | Biscuit Malt | 1 kg (14.3%) | 79 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------------|--------|----------|------------|
| Boil | Marynka | 15 g | 60 min | 8.8 % |
| Boil | Saaz (Czech Republic) | 15 g | 60 min | 3.81 % |
| Aroma (end of boil) | Marynka | 15 g | 15 min | 8.8 % |
| Aroma (end of boil) | Saaz (Czech Republic) | 15 g | 15 min | 3.81 % |
| Dry Hop | Marynka | 20 g | 7 day(s) | 8.8 % |
| Dry Hop | Saaz (Czech Republic) | 20 g | 7 day(s) | 3.81 % |

Yeasts

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

| Name | Type | Form | Amount | Laboratory |
|--------------------------------------|-------------|-------------|---------------|-------------------|
| Mangrove Jack's M47 Belgian Abbey | Ale | Dry | 10 g | Mangrove Jack's |