

# Belgian Dubbel Starterowy

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- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **22**
- SRM **15.4**
- Style **Belgian Dubbel**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.3 liter(s)**
- Total mash volume **12.4 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **9.3 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **9 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (57.1%)	81 %	4
Grain	Monachijski	0.8 kg (22.9%)	80 %	16
Grain	Fawcett - Crystal	0.3 kg (8.6%)	70 %	160
Sugar	Candi Sugar, Amber	0.4 kg (11.4%)	78.3 %	148

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	60 min	9 %