

# Black IPA Beer Cup 2022

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **62**
- SRM **27.1**
- Style **Black IPA**

## 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 **11.3 liter(s)**
- Total mash volume **15 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 **11.3 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 **7.7 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.6 kg (69.3%)	80 %	4
Grain	Weyermann - Dehusked Carafo III	0.25 kg (6.7%)	70 %	1024
Grain	Płatki owsiane	0.25 kg (6.7%)	60 %	3
Grain	Pszeniczny	0.25 kg (6.7%)	80 %	4
Grain	Monachijski	0.25 kg (6.7%)	80 %	16
Grain	Fawcett - Crystal	0.15 kg (4%)	70 %	160

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	28 g	60 min	12.2 %
Whirlpool	Galaxy	60 g	1 min	15 %
Whirlpool	Enigma (AUS)	30 g	1 min	17.2 %
Dry Hop	Nelson Sauvignon	50 g	2 day(s)	11 %
Dry Hop	Vic Secret	50 g	2 day(s)	16.3 %