

# White IPA

---

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **33**
- SRM **3.9**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

## Steps

- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **17.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Bestt Pale Ale	2.5 kg (50%)	80.5 %	6
Grain	Płatki pszeniczne	1.5 kg (30%)	85 %	3
Grain	Płatki owsiane	1 kg (20%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	10 g	60 min	9.5 %
Boil	Citra	10 g	15 min	12 %
Boil	Cascade	10 g	15 min	6 %
Boil	Citra	10 g	10 min	12 %
Boil	Cascade	10 g	10 min	6 %
Boil	Citra	15 g	5 min	12 %
Boil	Cascade	15 g	5 min	6 %
Aroma (end of boil)	Citra	15 g	0 min	12 %
Aroma (end of boil)	Cascade	15 g	0 min	6 %
Dry Hop	Amarillo	40 g	7 day(s)	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	150 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	15 g	Boil	5 min
Spice	curacao	10 g	Boil	5 min
Spice	skórka pomarańczy	10 g	Boil	5 min