

# NZ IPA

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- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **67**
- SRM **5.4**
- Style **American IPA**

## 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 **5 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **36 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **30 liter(s)** of strike water to **70.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **1.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (83.3%)	80 %	5
Grain	Carahell	0.5 kg (8.3%)	77 %	26
Grain	Płatki owsiane	0.5 kg (8.3%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	50 g	60 min	11.5 %
Aroma (end of boil)	Nectaron	10 g	5 min	9.9 %
Aroma (end of boil)	Riwaka	10 g	5 min	3.3 %
Whirlpool	Nectaron	15 g	20 min	9.9 %
Whirlpool	Riwaka	15 g	20 min	3.3 %
Dry Hop	Nectaron	25 g	12 day(s)	9.9 %
Dry Hop	Riwaka	25 g	12 day(s)	3.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis