

# HAT-TRICK IPA

---

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **53**
- SRM **6.3**
- 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 **75 min**
- Evaporation rate **15 %/h**
- Boil size **27.3 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.8 liter(s)**
- Total mash volume **25 liter(s)**

## Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **0 min**

## Mash step by step

- Heat up **18.8 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **27.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (80%)	85 %	7
Grain	Weyermann - Carapils	1 kg (16%)	78 %	4
Grain	Biscuit Malt	0.25 kg (4%)	79 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Horizon	30 g	70 min	6 %
Boil	Cascade	20 g	70 min	6 %
Boil	Cascade	20 g	30 min	6 %
Boil	Horizon	20 g	10 min	6 %
Boil	Cascade	30 g	10 min	6 %
Aroma (end of boil)	Cascade	40 g	0 min	6 %
Aroma (end of boil)	Citra	20 g	0 min	12 %
Dry Hop	Cascade	40 g	5 day(s)	6 %
Dry Hop	Citra	30 g	5 day(s)	12 %

## Yeasts

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

## Notes

- Pierwszy raz warzony podczas trwania meczu Hiszpania - Portugalia na Mundialu w Rosji, w którym to Cristiano Ronaldo ustrzelił pięknego hat tricka.

Dodatkowo Hat-trick chmielowy, czyli atak trzech gatunków amerykańskich chmieli Cascade, Citra oraz Horizon.

*Jun 20, 2018, 3:13 PM*