

Tree House Hazy IPA - 50 batch brew!!!

- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **60**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.1 liter(s)**
- Total mash volume **29.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **77 C**, Time **15 min**

Mash step by step

- Heat up **22.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **77C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Malt (2 Row) UK	6.25 kg (85%)	78 %	6
Grain	Carafoam	0.37 kg (5%)	72 %	4
Grain	Platki owsiane	0.735 kg (10%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	11 g	60 min	13.5 %
Boil	Citra	10 g	15 min	12 %
Boil	Simcoe	10 g	15 min	13.2 %
Boil	Amarillo	10 g	15 min	9.5 %
Whirlpool	Citra	40 g	15 min	12 %
Whirlpool	Simcoe	40 g	15 min	13.2 %
Whirlpool	Amarillo	40 g	15 min	9.5 %
Dry Hop	Cascade	100 g	3 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
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Lallemand - LalBrew American East Coast - New England	Ale	Dry	11 g	Lallemand
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Extras

Type	Name	Amount	Use for	Time
Water Agent	gips piwowarski CaSO4	5 g	Mash	---
Water Agent	chlorek wapnia (10ml) CaCL2	10 g	Mash	---
Water Agent	siarczan magnezu EPSOM MgSO4	2 g	Mash	---
Water Agent	chlorek sodu (sól kuchenna) NaCL	2 g	Mash	---
Other	kwask askorbinowy (butelkowanie)	4 g	Bottling	---
Water Agent	Kwas mlekowy	2 g	Mash	---

Notes

- a) Chmilenie na zimno w 12 stopniach 3 dni
- b) 1 dzień (24h) cold crash - 2 stopnie + czas na doprowadzenie do tej temperatury (około 24h na schłodzenie + 24h w docelowej temperaturze 2 stopni)
- c) BUTELKOWANIE

Kwas mlekowy do wody do wystadzania, 2ml
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