

# lemon ipa z trawą

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **34**
- SRM **4.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **29.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.1 liter(s) / kg**
- Mash size **15.2 liter(s)**
- Total mash volume **20.1 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **15.2 liter(s)** of strike water to **73.4C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **29.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	2.7 kg (55.1%)	80 %	7
Grain	Strzegom Pilznieński	1.5 kg (30.6%)	80 %	4
Grain	Pszeniczny	0.7 kg (14.3%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sorachi Ace	15 g	60 min	10 %
Boil	Sorachi Ace	15 g	15 min	10 %
Boil	Sorachi Ace	20 g	10 min	10 %
Boil	Sorachi Ace	30 g	2 min	10 %
Dry Hop	Sorachi Ace	40 g	7 day(s)	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Flavor	skórka cytryny	30 g	Boil	5 min

Herb	trawa cytrynowa	20 g	Boil	2 min
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## Notes

- burzliwa 10dni  
cicha 7 dni  
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