

# Centennial Session IPA

---

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **40**
- SRM **6.6**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.3 liter(s)**
- Total mash volume **15.8 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **20 min**

## Mash step by step

- Heat up **12.3 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **72C**
- Sparge using **10.2 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3 kg (85.7%)	85 %	7
Grain	Abbey Malt Weyermann	0.5 kg (14.3%)	75 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	30 g	45 min	9.4 %
Whirlpool	Centennial	70 g	1 min	9.4 %
Dry Hop	Centennial	100 g	3 day(s)	9.4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	100 ml	Fermentum Mobile