

# Amerykańska Pszenica

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **18**
- SRM **3.3**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.8 liter(s)**
- Total mash volume **10.4 liter(s)**

## Steps

- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **7.8 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	1 kg (38.5%)	85 %	4
Grain	Pilznieński	1.2 kg (46.2%)	81 %	4
Grain	Płatki pszeniczne	0.3 kg (11.5%)	85 %	3
Grain	Weyermann - Carapils	0.1 kg (3.8%)	78 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	5 g	60 min	13 %
Boil	Citra	5 g	15 min	12 %
Dry Hop	Galaxy	20 g	3 day(s)	15 %
Dry Hop	Amarillo	20 g	3 day(s)	9.5 %
Dry Hop	Citra	20 g	3 day(s)	12 %

## Yeasts

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

## Notes

- płatki kleikowane  
*Mar 25, 2018, 10:00 AM*