

# Amerykańska Pszenica V3.0

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **29**
- SRM **2.6**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.2 liter(s)**
- Total mash volume **23.4 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **18.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **18.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.6 kg (50%)	85 %	4
Grain	Pilzneński	1.1 kg (21.2%)	81 %	4
Grain	Viking Pale Ale malt	1.5 kg (28.8%)	80 %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	60 min	13.5 %
Boil	Equinox	15 g	15 min	16.1 %
Boil	Cascade	30 g	0 min	6 %

## Yeasts

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