

Washington Weizen

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **13**
- SRM **3.3**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **20.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.9 liter(s)**
- Total mash volume **13.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **9.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **20.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.2 kg (66.7%)	85 %	4
Grain	Pilzneński	1 kg (30.3%)	81 %	4
Grain	Monachijski	0.1 kg (3%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Citra	10 g	20 min	12 %
Whirlpool	Amarillo	10 g	20 min	9.5 %
Whirlpool	Mosaic	10 g	20 min	10 %
Dry Hop	Citra	20 g	4 day(s)	12 %
Dry Hop	Amarillo	20 g	4 day(s)	9.5 %
Dry Hop	Mosaic	20 g	4 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM50 Kłosy Kansas	Wheat	Slant	100 ml	Fermentum Mobile