

# American wheat

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- Gravity **13.3 BLG**
- ABV ---
- IBU **35**
- SRM **4**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **30.8 liter(s)**

## Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Steps

- Temp **52 C**, Time **20 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **16.2 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **40 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **20 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pilsner Malt   | 2.5 kg (46.3%) | 81 %  | 5   |
| Grain | Weyermann pszeniczny jasny | 2.4 kg (44.4%) | 80 %  | 6   |
| Grain | Płatki owsiane             | 0.5 kg (9.3%)  | 60 %  | 3   |

## Hops

| Use for             | Name     | Amount | Time   | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil                | Jarrylo  | 30 g   | 30 min | 15 %       |
| Aroma (end of boil) | Jarrylo  | 40 g   | 1 min  | 15 %       |
| Aroma (end of boil) | Chinook  | 30 g   | 1 min  | 10.6 %     |
| Aroma (end of boil) | Amarillo | 30 g   | 1 min  | 9.5 %      |

## Yeasts

| Name          | Type | Form   | Amount | Laboratory |
|---------------|------|--------|--------|------------|
| Lutra OYL-071 | Ale  | Liquid | 40 ml  | Omega      |

## Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 4 g    | Boil    | 12 min |