

# Hubble Bubble

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- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **8**
- SRM **2.5**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.5 liter(s)**
- Total mash volume **34 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **55 C**, Time **15 min**
- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **25 min**

## Mash step by step

- Heat up **25.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **15 min** at **55C**
- Keep mash **50 min** at **62C**
- Keep mash **25 min** at **72C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

## Fermentables

| Type  | Name                   | Amount        | Yield | EBC |
|-------|------------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński    | 3 kg (35.3%)  | 80 %  | 4   |
| Grain | Słód pszeniczny Optima | 5 kg (58.8%)  | --- % | --- |
| Grain | Oats, Flaked           | 0.5 kg (5.9%) | 80 %  | 2   |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 25 g   | 60 min | 4 %        |

## Yeasts

| Name                   | Type  | Form  | Amount  | Laboratory       |
|------------------------|-------|-------|---------|------------------|
| FM41 Gwoździe i Banany | Wheat | Slant | 1000 ml | Fermentum Mobile |