

# Barley Widow

- Gravity **22.2 BLG**
- ABV **10 %**
- IBU **43**
- SRM **17.9**
- Style **English Barleywine**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **20.8 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **21.5 liter(s)**
- Total mash volume **30.1 liter(s)**

## Steps

- Temp **66 C**, Time **90 min**

## Mash step by step

- Heat up **21.5 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **90 min** at **66C**
- Sparge using **7.9 liter(s)** of **76C** water or to achieve **20.8 liter(s)** of wort

## Fermentables

| Type  | Name                                   | Amount        | Yield | EBC |
|-------|--|---------------|-------|-----|
| Grain | Simpsons - Maris Otter                 | 7 kg (81.4%)  | 81 %  | 6   |
| Grain | Fawcett - Crystal                      | 0.5 kg (5.8%) | 70 %  | 160 |
| Grain | Cara Gold Castlemalting                | 0.5 kg (5.8%) | 78 %  | 120 |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 0.6 kg (7%)   | 80 %  | 20  |

## Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | East Kent Goldings | 50 g   | 60 min | 5.1 %      |
| Boil    | Fuggles            | 50 g   | 30 min | 4.5 %      |

## Yeasts

| Name                 | Type | Form  | Amount | Laboratory |
|----------------------|------|-------|--------|------------|
| Danstar - Nottingham | Ale  | Slant | 250 ml | Danstar    |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |  |      |           |           |
|-------|--|------|-----------|-----------|
| Other | Płatki dębowe z baczki po rumie + macerowane w rumie | 50 g | Secondary | 30 day(s) |
|-------|--|------|-----------|-----------|