

135 Double

- Gravity **30.2 BLG**
- ABV **15 %**
- IBU **59**
- SRM **11**
- Style **English Barleywine**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **36 liter(s)**
- Total mash volume **48 liter(s)**

Steps

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

Mash step by step

- Heat up **36 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **1.2 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|---------------|-------|-----|
| Grain | Simpsons - Maris Otter | 11 kg (91.7%) | 81 % | 6 |
| Grain | Biscuit Malt | 1 kg (8.3%) | 79 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil | East Kent Goldings | 113 g | 90 min | 5.1 % |
| Boil | East Kent Goldings | 85 g | 60 min | 5.1 % |
| Aroma (end of boil) | East Kent Goldings | 57 g | 0 min | 5.1 % |
| Dry Hop | East Kent Goldings | 57 g | --- | 5.1 % |

Notes

- podzielic ziarno na 2 czesci i zrobic podwojne warzenie jednego dnia
drozdze odporne na alkohol, english ale
rok w piwnicy !!!
Apr 28, 2018, 3:01 AM