

## DDH New England IPA v2

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- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **40**
- SRM **4.6**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.1 liter(s)**
- Total mash volume **13.4 liter(s)**

### Steps

- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **2 min**

### Mash step by step

- Heat up **10.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **50 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **6 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

### Fermentables

| Type    | Name                      | Amount         | Yield  | EBC |
|---------|---------------------------|----------------|--------|-----|
| Grain   | Simpsons - Golden Promise | 2 kg (58%)     | 81 %   | 4   |
| Grain   | BESTMALZ - Best Pilsen    | 0.5 kg (14.5%) | 80.5 % | 4   |
| Grain   | Rice, Flaked              | 0.25 kg (7.2%) | 70 %   | 2   |
| Grain   | Słód owsiany Fawcett      | 0.5 kg (14.5%) | 61 %   | 5   |
| Adjunct | Pszenica niesłodowana     | 0.1 kg (2.9%)  | 75 %   | 3   |
| Grain   | Cara-Pils/Dextrine        | 0.1 kg (2.9%)  | 72 %   | 4   |

### Hops

| Use for   | Name          | Amount | Time     | Alpha acid |
|-----------|---------------|--------|----------|------------|
| Whirlpool | El Dorado     | 25 g   | 15 min   | 15 %       |
| Whirlpool | Mosaic        | 25 g   | 15 min   | 10 %       |
| Whirlpool | Huell Melon   | 25 g   | 20 min   | 7.5 %      |
| Dry Hop   | TNT hop blend | 25 g   | 4 day(s) | 12.9 %     |
| Dry Hop   | Callista      | 25 g   | 4 day(s) | 3.9 %      |

## Yeasts

| Name                 | Type | Form   | Amount | Laboratory       |
|----------------------|------|--------|--------|------------------|
| FM55 Zielone Wzgórze | Ale  | Liquid | 30 ml  | Fermentum Mobile |

Z racji, że jest to warka dzielona potrzebne będzie 215 mld komórek na 20l warkę i 2l starter. Jeśli miałyby być to warka 10l to 112 mld komórek i 1l starter