

# NE IPA

- Gravity **15.2 BLG**
- ABV ---
- IBU **5**
- SRM **5.3**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **29.2 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **28.7 liter(s)**
- Total mash volume **37.4 liter(s)**

## Steps

- Temp **69 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **10 min**

## Mash step by step

- Heat up **28.7 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **40 min** at **69C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **9.2 liter(s)** of **76C** water or to achieve **29.2 liter(s)** of wort

## Fermentables

| Type  | Name                   | Amount        | Yield | EBC |
|-------|------------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale      | 5 kg (57.5%)  | 79 %  | 6   |
| Grain | Pszeniczny             | 2 kg (23%)    | 85 %  | 4   |
| Grain | Płatki pszeniczne      | 0.5 kg (5.7%) | 60 %  | 3   |
| Grain | Płatki owsiane         | 0.4 kg (4.6%) | 60 %  | 3   |
| Grain | Briess - Carapils Malt | 0.8 kg (9.2%) | 74 %  | 3   |

## Hops

| Use for             | Name       | Amount | Time     | Alpha acid |
|---------------------|------------|--------|----------|------------|
| First Wort          | Centennial | 5 g    | 60 min   | 10.5 %     |
| Aroma (end of boil) | Mosaic     | 60 g   | 0 min    | 10 %       |
| Dry Hop             | Citra      | 100 g  | 5 day(s) | 12 %       |
| Dry Hop             | Amarillo   | 50 g   | 3 day(s) | 9.5 %      |
| Whirlpool           | Centennial | 45 g   | 0 min    | 10.5 %     |

## Yeasts

| Name                  | Type | Form   | Amount  | Laboratory       |
|-----------------------|------|--------|---------|------------------|
| FM11 Wichrowe Wzgórza | Ale  | Liquid | 1000 ml | Fermentum Mobile |

## Extras

| Type        | Name            | Amount | Use for | Time   |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gips            | 5 g    | Mash    | 60 min |
| Water Agent | Chlorek wapnia  | 10 g   | Mash    | 60 min |
| Water Agent | kwask fosforowy | 5 g    | Mash    | 60 min |