

# Lite Rye IPA

- Gravity **8.5 BLG**
- ABV **3.3 %**
- IBU **36**
- SRM **5.2**
- Style **English IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.8 liter(s)**
- Total mash volume **13.9 liter(s)**

## Steps

- Temp **72 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **10.8 liter(s)** of strike water to **79.5C**
- Add grains
- Keep mash **60 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 1 kg (32.3%)  | 80 %  | 5   |
| Grain | Žytni                | 1 kg (32.3%)  | 85 %  | 8   |
| Grain | Carahell             | 1 kg (32.3%)  | 77 %  | 26  |
| Grain | Abbey Malt Weyermann | 0.1 kg (3.2%) | 75 %  | 45  |

## Hops

| Use for | Name               | Amount | Time     | Alpha acid |
|---------|--------------------|--------|----------|------------|
| Boil    | Magnum             | 15 g   | 60 min   | 13.5 %     |
| Boil    | East Kent Goldings | 10 g   | 30 min   | 5.1 %      |
| Boil    | Fuggles            | 10 g   | 30 min   | 4.5 %      |
| Boil    | East Kent Goldings | 10 g   | 5 min    | 5.1 %      |
| Boil    | Fuggles            | 10 g   | 5 min    | 4.5 %      |
| Dry Hop | East Kent Goldings | 10 g   | 3 day(s) | 5.1 %      |
| Dry Hop | Fuggles            | 10 g   | 3 day(s) | 4.5 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |

|                              |     |        |        |                  |
|------------------------------|-----|--------|--------|------------------|
| FM13 Irlandzkie<br>Ciemności | Ale | Liquid | 200 ml | Fermentum Mobile |
|------------------------------|-----|--------|--------|------------------|