

# Pszenica z trawą cytrynową - dyplomowe Moni nr 1

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **27**
- SRM **3.8**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **10 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **16.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.52 liter(s) / kg**
- Mash size **7.7 liter(s)**
- Total mash volume **10.7 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **65 C**, Time **40 min**
- Temp **73 C**, Time **20 min**

## Mash step by step

- Heat up **7.7 liter(s)** of strike water to **48.8C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **40 min** at **65C**
- Keep mash **20 min** at **73C**
- Sparge using **12 liter(s)** of **76C** water or to achieve **16.6 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt  | 1.5 kg (49.2%) | 82 %  | 4   |
| Grain | Viking Wheat Malt    | 1.3 kg (42.6%) | 83 %  | 5   |
| Grain | Weyermann - Carapils | 0.25 kg (8.2%) | 78 %  | 4   |

## Hops

| Use for             | Name  | Amount | Time   | Alpha acid |
|---------------------|-------|--------|--------|------------|
| Boil                | Pekko | 5 g    | 60 min | 13.5 %     |
| Boil                | Pekko | 5 g    | 20 min | 13.5 %     |
| Aroma (end of boil) | Pekko | 10 g   | 10 min | 13.5 %     |

## Yeasts

| Name          | Type  | Form | Amount | Laboratory |
|---------------|-------|------|--------|------------|
| Safbrew WB-06 | Wheat | Dry  | 5 g    | Safbrew    |

## Extras

| Type  | Name            | Amount | Use for | Time   |
|-------|-----------------|--------|---------|--------|
| Spice | trawa cytrynowa | 10 g   | Boil    | 10 min |

|       |       |     |      |        |
|-------|-------|-----|------|--------|
| Spice | imbir | 3 g | Boil | 10 min |
|-------|-------|-----|------|--------|