

# Orange man-orange beer

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **12**
- SRM **3.4**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **11.1 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

## Fermentables

| Type    | Name                  | Amount         | Yield | EBC |
|---------|-----------------------|----------------|-------|-----|
| Grain   | Strzegom Pilzneński   | 1.7 kg (40.5%) | 80 %  | 4   |
| Adjunct | Pszenica niesłodowana | 0.5 kg (11.9%) | 75 %  | 3   |
| Grain   | Płatki pszeniczne     | 1 kg (23.8%)   | 85 %  | 3   |
| Grain   | Pszeniczny            | 1 kg (23.8%)   | 85 %  | 4   |

## Hops

| Use for             | Name            | Amount | Time   | Alpha acid |
|---------------------|-----------------|--------|--------|------------|
| Boil                | Styrian Golding | 10 g   | 60 min | 5.6 %      |
| Aroma (end of boil) | Styrian Golding | 40 g   | 5 min  | 5.6 %      |

## Yeasts

| Name               | Type  | Form   | Amount | Laboratory       |
|--------------------|-------|--------|--------|------------------|
| FM20 Białe Walonki | Wheat | Liquid | 30 ml  | Fermentum Mobile |

## Extras

| Type  | Name              | Amount | Use for | Time   |
|-------|-------------------|--------|---------|--------|
| Spice | kolendra Indyjska | 8 g    | Boil    | 10 min |
| Spice | kolendra Indyjska | 8 g    | Boil    | 5 min  |

|       |         |      |      |        |
|-------|---------|------|------|--------|
| Spice | Curacao | 10 g | Boil | 15 min |
| Spice | Curacao | 10 g | Boil | 10 min |