

# Weselny owocowy wheat

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **18**
- SRM **4.1**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **10 %**
- Size with trub loss **53.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **60.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **40.5 liter(s)**
- Total mash volume **54 liter(s)**

## Steps

- Temp **50 C**, Time **20 min**
- Temp **70 C**, Time **60 min**

## Mash step by step

- Heat up **40.5 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **60 min** at **70C**
- Sparge using **33.5 liter(s)** of **76C** water or to achieve **60.5 liter(s)** of wort

## Fermentables

| Type  | Name                                  | Amount         | Yield | EBC |
|-------|---------------------------------------|----------------|-------|-----|
| Grain | Pszeniczny                            | 6.5 kg (48.1%) | 85 %  | 4   |
| Grain | Castle Malting - Pilszeński 6-rzędowy | 7 kg (51.9%)   | 80 %  | 5   |

## Hops

| Use for | Name     | Amount | Time     | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil    | lunga    | 40 g   | 60 min   | 11 %       |
| Dry Hop | Citra    | 25 g   | 4 day(s) | 12 %       |
| Dry Hop | Amarillo | 25 g   | 4 day(s) | 9.5 %      |
| Dry Hop | Citra    | 25 g   | 2 day(s) | 12 %       |
| Dry Hop | Amarillo | 25 g   | 2 day(s) | 9.5 %      |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 23 g   | Fermentis  |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |                       |     |           |          |
|-------|-----------------------|-----|-----------|----------|
| Other | pulpa z marakui/mango | 1 g | Secondary | 1 day(s) |
|-------|-----------------------|-----|-----------|----------|

### Notes

- Na cichą poleci pulpa, jeszcze do ustalenia jaka, ile i na ile.  
*May 18, 2021, 10:59 PM*