

# Walońskie Żniwa - Session Saison

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **25**
- SRM **5.1**
- Style **Saison**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **77 C**, Time **5 min**

## Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **77C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                  | Amount         | Yield | EBC |
|-------|-----------------------|----------------|-------|-----|
| Grain | Strzegom Wiedeński    | 4 kg (88.9%)   | 80 %  | 9   |
| Grain | Pszenica niesłodowana | 0.5 kg (11.1%) | 75 %  | 3   |

## Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Saaz (Czech Republic) | 35 g   | 60 min | 4.5 %      |
| Boil    | Saaz (Czech Republic) | 65 g   | 5 min  | 4.5 %      |

## Yeasts

| Name                 | Type | Form   | Amount  | Laboratory       |
|----------------------|------|--------|---------|------------------|
| FM21 Odkrycie sezonu | Ale  | Liquid | 1500 ml | Fermentum Mobile |

## Extras

| Type  | Name                                         | Amount | Use for | Time  |
|-------|----------------------------------------------|--------|---------|-------|
| Spice | Suszone Skórki Gorzkich Pomarańczy (Curacao) | 20 g   | Boil    | 5 min |

## Notes

- Fermentacja:  
Burzliwa (7-8 dni w 20-22 st. C)  
Cicha (7-8 dni w 20-22 st. C)

Butelkowanie:  
Syrop cukrowy (110 g cukru w 400 ml wody) na refermentację.

Dojrzewanie piwa:  
3 tygodnie w temperaturze 19-21 st. C.

Na zdrowie!  
*Feb 16, 2017, 6:44 PM*