

# Rusałka

- Gravity **11 BLG**
- ABV ---
- IBU **22**
- SRM **9.5**
- Style **Spice, Herb, or Vegetable Beer**

## Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **21.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.3 liter(s)**
- Total mash volume **12.4 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

## Mash step by step

- Heat up **9.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **75C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **21.2 liter(s)** of wort

## Fermentables

| Type  | Name                               | Amount         | Yield | EBC |
|-------|------------------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński                | 1.5 kg (46.9%) | 80 %  | 4   |
| Grain | Biscuit Malt                       | 0.4 kg (12.5%) | 79 %  | 45  |
| Grain | Weyermann - Caraamber              | 0.3 kg (9.4%)  | 75 %  | 65  |
| Grain | Grodziski pszeniczny wędzony dębem | 0.2 kg (6.3%)  | 80 %  | 3   |
| Sugar | Miód                               | 0.1 kg (3.1%)  | 95 %  | 1   |
| Grain | Carahell                           | 0.2 kg (6.3%)  | 77 %  | 26  |
| Grain | Płatki owsiane                     | 0.5 kg (15.6%) | 80 %  | --- |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 35 g   | 60 min | 4 %        |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
| s-33 | Ale  | Dry  | 11.5 g | ---        |

## Extras

| Type | Name               | Amount | Use for | Time   |
|------|--------------------|--------|---------|--------|
| Herb | Piołun             | 3 g    | Boil    | 10 min |
| Herb | Wrzos              | 5 g    | Boil    | 10 min |
| Herb | Cynamon            | 5 g    | Boil    | 10 min |
| Herb | Jaśmin             | 5 g    | Boil    | 10 min |
| Herb | Krwawnik Pospolity | 7 g    | Boil    | 10 min |