

# Saison na Czeremchę

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **21**
- SRM **9.1**
- Style **Fruit Beer**

## Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **5 %**
- Size with trub loss **47.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **57 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **32.7 liter(s)**
- Total mash volume **43.6 liter(s)**

## Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **32.7 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **35.2 liter(s)** of **76C** water or to achieve **57 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 8.5 kg (71.4%) | 80 %  | 4   |
| Grain | Monachijski         | 1 kg (8.4%)    | 80 %  | 16  |
| Grain | Strzegom Pszeniczny | 1 kg (8.4%)    | 81 %  | 6   |
| Grain | Caraaroma           | 0.4 kg (3.4%)  | 78 %  | 400 |
| Sugar | Cukier              | 1 kg (8.4%)    | --- % | --- |

## Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | East Kent Goldings    | 50 g   | 60 min | 5.1 %      |
| Boil                | Saaz (Czech Republic) | 70 g   | 15 min | 4.5 %      |
| Aroma (end of boil) | Saaz (Czech Republic) | 30 g   | 10 min | 4.5 %      |

## Yeasts

| Name                              | Type | Form | Amount  | Laboratory      |
|-----------------------------------|------|------|---------|-----------------|
| Mangrove Jack's M29 French Saison | Ale  | Dry  | 21.52 g | Mangrove Jack's |

## Extras

| Type  | Name            | Amount | Use for   | Time     |
|-------|-----------------|--------|-----------|----------|
| Other | Sok z czeremchy | 1500 g | Secondary | 7 day(s) |