

# WIO KONIKU III

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- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **25**
- SRM **39.1**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **10 %**
- Size with trub loss **18.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **23.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.7 liter(s)**
- Total mash volume **27.6 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **5 min**

## Mash step by step

- Heat up **20.7 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **72C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **23.5 liter(s)** of wort

## Fermentables

| Type  | Name                      | Amount         | Yield | EBC  |
|-------|---------------------------|----------------|-------|------|
| Grain | Strzegom Pale Ale         | 3.5 kg (50.7%) | 79 %  | 6    |
| Grain | Strzegom pszeniczny       | 2 kg (29%)     | 81 %  | 6    |
| Grain | Strzegom Wiedeński        | 0.5 kg (7.2%)  | 79 %  | 10   |
| Grain | Caraaroma                 | 0.5 kg (7.2%)  | 78 %  | 400  |
| Grain | Strzegom Czekoladowy 1200 | 0.2 kg (2.9%)  | 68 %  | 1202 |
| Grain | Strzegom Barwiący         | 0.2 kg (2.9%)  | 68 %  | 1300 |

## Hops

| Use for | Name       | Amount | Time   | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil    | Cascade PL | 50 g   | 60 min | 5.2 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-05 | Ale  | Dry  | 11 g   | Safale     |

## Extras

| Type   | Name               | Amount | Use for | Time   |
|--------|--------------------|--------|---------|--------|
| Flavor | cukier kandyzowany | 500 g  | Boil    | 10 min |

|        |               |      |           |           |
|--------|---------------|------|-----------|-----------|
| Flavor | płatki dębowe | 20 g | Secondary | 14 day(s) |
|--------|---------------|------|-----------|-----------|