

Mustang

- Gravity **24.4 BLG**
- ABV **11.3 %**
- IBU **72**
- SRM **47**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **13.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18.9 liter(s)**

Steps

- Temp **67 C**, Time **90 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **13.5 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **5.7 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------|----------------|--------|-----|
| Grain | Simpsons - Maris Otter | 3 kg (55.6%) | 81 % | 6 |
| Grain | Fawcett - Pale Crystal | 0.25 kg (4.6%) | 72.8 % | 90 |
| Grain | Wheat, Roasted | 0.5 kg (9.3%) | 54.3 % | 400 |
| Grain | Chocolate Malt (UK) | 0.25 kg (4.6%) | 73 % | 450 |
| Grain | Briess - Roasted Barley | 0.25 kg (4.6%) | 55 % | 591 |
| Grain | roasted rye | 0.25 kg (4.6%) | 55 % | 200 |
| Grain | Płatki owsiane | 0.2 kg (3.7%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.2 kg (3.7%) | 85 % | 3 |
| Grain | Peat Smoked Malt | 0.5 kg (9.3%) | 74 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 20 g | 60 min | 13.5 % |
| Boil | Magnum | 15 g | 30 min | 13.5 % |
| Boil | Magnum | 15 g | 15 min | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|-------------|-------------|---------------|-------------------|
| Safale S-04 | Ale | Slant | 200 ml | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|---------------|---------------|----------------|-------------|
| Flavor | płatki dębowe | 50 g | Secondary | 21 day(s) |