

Gubernator Bahamów- Tropical Stout

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **43**
- SRM **37.5**
- Style **Foreign Extra Stout**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

Steps

- Temp **69 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **17.4 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **5 min** at **78C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-----------------------------|----------------|--------|-----|
| Grain | Weyermann - Pale Ale Malt | 4 kg (55.6%) | 85 % | 7 |
| Adjunct | Platki owsiane | 0.8 kg (11.1%) | 85 % | 4 |
| Grain | Caramel/Crystal Malt - 120L | 1 kg (13.9%) | 72 % | 236 |
| Grain | Weyermann - Chocolate Wheat | 0.4 kg (5.6%) | 74 % | 788 |
| Grain | Weyermann - Chocolate Rye | 0.4 kg (5.6%) | 20 % | 493 |
| Sugar | Molasses | 0.6 kg (8.3%) | 78.3 % | 158 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Target | 50 g | 60 min | 10.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------|------|------|--------|------------|
| Danstar - Windsor Ale | Ale | Dry | 22 g | Danstar |

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------------|--------|-----------|----------|
| Flavor | Ziarna Tonki | 25 g | Secondary | 7 day(s) |
| Spice | Kakao | 400 g | Boil | 10 min |

Notes

- Fermentacja:
Burzliwa (7 dni w 20 st. C)
Cicha (14 dni w 20 st. C)

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

Dojrzewanie piwa:
3 tygodnie w temperaturze 16-18 st. C.

Na zdrowie
(Koszt surowców 128 zł)
Oct 9, 2017, 2:42 PM