Czarna ziemia na grubo

- Gravity 21.1 BLG
- ABV 9.4 %
- IBU **60**
- SRM **60.8**
- Style Russian Imperial Stout

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- · Boil time 60 min
- Evaporation rate 13 %/h
- Boil size 26 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 27 liter(s)
- Total mash volume 36 liter(s)

Steps

- Temp 67 C, Time 55 min
 Temp 76 C, Time 5 min

Mash step by step

- Heat up 27 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 55 min at 67C
- Keep mash 5 min at 76C
- Sparge using 8 liter(s) of 76C water or to achieve 26 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	5 kg <i>(55.6%)</i>	80.5 %	2
Grain	Briess - Chocolate Malt	1 kg <i>(11.1%)</i>	60 %	690
Grain	smoked wheat malt	2 kg <i>(22.2%)</i>	80.5 %	6
Grain	Weyermann - Chocolate Wheat	0.5 kg <i>(5.6%)</i>	74 %	788
Grain	Carafa III	0.5 kg <i>(5.6%)</i>	70 %	1034

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	50 g	60 min	12.5 %
Boil	Lublin (Lubelski)	30 g	15 min	3.5 %
Boil	Chinook	7 g	60 min	12 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Slant	1000 ml	Safale

Extras

Туре	Name	Amount	Use for	Time
Spice	pu-erth	200 g	Secondary	2 day(s)