

# Morawiecki chcesz Murzyna

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- Gravity **21.6 BLG**
- ABV **9.7 %**
- IBU **49**
- SRM **29.8**
- Style **American Stout**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **26.6 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.8 liter(s)**
- Total mash volume **37 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (29.9%)	80 %	5
Grain	Weyermann - Dark Wheat Malt	2 kg (19.9%)	85 %	14
Grain	Special B Malt	0.5 kg (5%)	65.2 %	315
Grain	Special X	0.5 kg (5%)	75 %	300
Adjunct	Oats, Flaked	0.8 kg (8%)	80 %	2
Grain	Carafa II	0.25 kg (2.5%)	70 %	812
Grain	Strzegom Monachijski typ II	3 kg (29.9%)	79 %	22

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	50 g	60 min	11 %
Boil	ADHA527	50 g	5 min	14.4 %