

## Dry Stout (Guinness)

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **39**
- SRM **36**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **27 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.6 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **20.7 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Malt (2 Row) Bel	2.8 kg (62.2%)	80 %	6
Grain	Płatki owsiane	1 kg (22.2%)	85 %	3
Grain	Carafa II	0.7 kg (15.6%)	70 %	1100

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Green Bullet	30 g	60 min	12.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Ale	Dry	11.5 g	Damianowe