

# Fes [bitwy piwne 2021]

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- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **44**
- SRM **50.1**
- Style **Foreign Extra Stout**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **10 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **15.9 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4.8 liter(s) / kg**
- Mash size **21.1 liter(s)**
- Total mash volume **25.5 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Monachijski typ II	1.3 kg (29.5%)	79 %	22
Grain	Pilzneński	1.3 kg (29.5%)	81 %	4
Grain	Barley, Flaked	0.7 kg (15.9%)	70 %	4
Grain	Special B Malt	0.5 kg (11.4%)	65.2 %	315
Grain	Carafa III	0.3 kg (6.8%)	70 %	1034
Grain	Carafa II	0.2 kg (4.5%)	70 %	812
Grain	Carafa	0.1 kg (2.3%)	70 %	664

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	25 g	60 min	11 %

## Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	80 ml	---