

# Imperial Oktoberfest

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- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **22**
- SRM **8.4**
- Style **Oktoberfest/Märzen**

## 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 **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

## Steps

- Temp **63 C**, Time **20 min**
- Temp **71 C**, Time **50 min**

## Mash step by step

- Heat up **22.8 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **20 min** at **63C**
- Keep mash **50 min** at **71C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Munich Malt 10L	4 kg (61.5%)	77 %	20
Grain	Strzegom Pilzneński	2 kg (30.8%)	80 %	4
Grain	Briess - Vienna Malt	0.5 kg (7.7%)	77.5 %	7

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau	50 g	60 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM31 Bawarska Dolina	Lager	Liquid	1000 ml	Fermentum Mobile