

# T-Fighter Gasoline

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- Gravity **16.1 BLG**
- ABV ---
- IBU **24**
- SRM **47.8**
- Style **Black IPA**

## Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **3 %**
- Size with trub loss **11.9 liter(s)**
- Boil time **70 min**
- Evaporation rate **17 %/h**
- Boil size **14.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.2 liter(s)**
- Total mash volume **15.7 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **40 min**

## Mash step by step

- Heat up **12.2 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **40 min** at **72C**
- Sparge using **6.2 liter(s)** of **76C** water or to achieve **14.9 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale (Malteurop)	2 kg (57.1%)	80 %	7
Grain	Płatki żytnie	0.8 kg (22.9%)	75 %	5
Grain	Extra black	0.4 kg (11.4%)	65 %	1400
Grain	Abbey (Castle)	0.3 kg (8.6%)	80 %	45

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	10 g	60 min	12.9 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis US-05	Ale	Dry	11.5 g	Fermentis