

# Scoobie Darth Vader BIPA

- Gravity **19.3 BLG**
- ABV ---
- IBU **55**
- SRM **36**
- Style **Black IPA**

## 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.8 liter(s)**
- Total mash volume **29 liter(s)**

## Steps

- Temp **66 C**, Time **80 min**

## Mash step by step

- Heat up **21.8 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **80 min** at **66C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	6 kg (80%)	85 %	7
Grain	Carahell	0.5 kg (6.7%)	77 %	26
Grain	Carafa II	0.5 kg (6.7%)	70 %	812
Grain	Biscuit Malt	0.25 kg (3.3%)	79 %	45
Sugar	cukier	0.25 kg (3.3%)	--- %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	70 min	12.8 %
Boil	Cascade	30 g	45 min	6 %
Boil	Fuggles	30 g	15 min	4.1 %
Boil	Cascade	30 g	5 min	6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis