

# 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  |