

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 |