

Black IPA I

- Gravity **15 BLG**
- ABV ---
- IBU **66**
- SRM **31.5**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **64 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **12.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **6.9 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|-------|------|
| Grain | Weyermann - Pale Ale | 2.2 kg (61.1%) | 80 % | 6 |
| Grain | Weyermann - Monachijski II | 1 kg (27.8%) | 80 % | 28 |
| Grain | Weyermann - Caramunich II | 0.2 kg (5.6%) | 73 % | 120 |
| Grain | Weyermann - Carafa Special II | 0.2 kg (5.6%) | 1 % | 1150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | USA El Dorado | 10 g | 60 min | 14.2 % |
| Boil | USA Citra | 35 g | 10 min | 13.5 % |
| Aroma (end of boil) | USA Simcoe | 25 g | 0 min | 13.2 % |
| Dry Hop | USA Simcoe | 15 g | 3 day(s) | 13.2 % |
| Dry Hop | USA Citra | 15 g | 1 day(s) | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|----------------------|-----|-------|-------|-----|
| FM52 Amerykański Sen | Ale | Slant | 80 ml | --- |
|----------------------|-----|-------|-------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 3 g | Boil | 10 min |

Notes

- Carafa Special II dodana do wygrzewu.
Feb 23, 2017, 10:02 PM