

## #22 - IPA - "Zet is Dead"

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **41**
- SRM **5.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **78C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **30 liter(s)** of wort

### Fermentables

| Type  | Name                      | Amount        | Yield | EBC |
|-------|---------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 5 kg (76.9%)  | 85 %  | 7   |
| Grain | Crisp - Pale Ale / Pils   | 1 kg (15.4%)  | 80 %  | 5   |
| Grain | Weyermann - Carapils      | 0.5 kg (7.7%) | 78 %  | 4   |

### Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Iunga   | 28 g   | 60 min   | 11 %       |
| Boil                | Zeus    | 15 g   | 15 min   | 14.5 %     |
| Aroma (end of boil) | Cascade | 50 g   | 5 min    | 7.1 %      |
| Dry Hop             | Ahtanum | 100 g  | 3 day(s) | 3.4 %      |
| Dry Hop             | Cascade | 50 g   | 3 day(s) | 7.1 %      |

### Yeasts

| Name                 | Type | Form  | Amount | Laboratory       |
|----------------------|------|-------|--------|------------------|
| FM52 Amerykański Sen | Ale  | Slant | 150 ml | Fermentum Mobile |

### Extras

| Type   | Name           | Amount | Use for  | Time   |
|--------|----------------|--------|----------|--------|
| Fining | Mech Irlandzki | 5 g    | Boil     | 10 min |
| Other  | Witamina C     | 2 g    | Bottling | ---    |