

## Troxlove 3.0

- Gravity **20.9 BLG**
- ABV **9.3 %**
- IBU **25**
- SRM **6**
- Style **Fruit Beer**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **15 min**
- Evaporation rate **11 %/h**
- Boil size **26.9 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

### Steps

- Temp **63 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **24 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **1 min** at **78C**
- Sparge using **10.9 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

### Fermentables

| Type  | Name                       | Amount       | Yield  | EBC |
|-------|----------------------------|--------------|--------|-----|
| Grain | Weyermann - Pale Ale Malt  | 5 kg (55.6%) | 85 %   | 7   |
| Grain | Weyermann pszeniczny jasny | 2 kg (22.2%) | 80 %   | 6   |
| Sugar | Candi Sugar, Clear         | 1 kg (11.1%) | 78.3 % | 2   |
| Grain | Oats, Flaked               | 1 kg (11.1%) | 80 %   | 2   |

### Hops

| Use for   | Name             | Amount | Time     | Alpha acid |
|-----------|------------------|--------|----------|------------|
| Whirlpool | Ella (AUS)       | 80 g   | 20 min   | 14.6 %     |
| Dry Hop   | Michigan Copper  | 60 g   | 3 day(s) | 11 %       |
| Dry Hop   | Nelson Sauvignon | 50 g   | 2 day(s) | 11 %       |

### Yeasts

| Name             | Type | Form | Amount | Laboratory |
|------------------|------|------|--------|------------|
| Danstar - BRY-97 | Ale  | Dry  | 22 g   | Danstar    |

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                |        |         |           |
|--------|----------------|--------|---------|-----------|
| Flavor | Mrożone wiśnie | 3000 g | Primary | 14 day(s) |
|--------|----------------|--------|---------|-----------|