

# Jungle IPA

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **55**
- SRM **7.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.1 liter(s)**
- Total mash volume **28.4 liter(s)**

## Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **0 min**

## Mash step by step

- Heat up **22.1 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **10.1 liter(s)** of **76C** water or to achieve **25.9 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pilzneński                 | 5.5 kg (87.3%) | 81 %  | 4   |
| Grain | Strzegom Monachijski typ I | 0.5 kg (7.9%)  | 79 %  | 16  |
| Grain | Karmelowy żytni Strzegom   | 0.3 kg (4.8%)  | 75 %  | 150 |

## Hops

| Use for             | Name     | Amount | Time      | Alpha acid |
|---------------------|----------|--------|-----------|------------|
| Boil                | Columbus | 30 g   | 60 min    | 13.7 %     |
| Boil                | Cascade  | 10 g   | 20 min    | 7.6 %      |
| Boil                | Chinook  | 15 g   | 10 min    | 11.1 %     |
| Aroma (end of boil) | Columbus | 20 g   | 5 min     | 13.7 %     |
| Dry Hop             | Cascade  | 20 g   | 10 day(s) | 7.6 %      |
| Dry Hop             | Columbus | 10 g   | 5 day(s)  | 13.7 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | ---        |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 5 g    | Boil    | 10 min |

## Notes

- burzliwa 7 dni 16 stopni  
cicha 14 dni 12 stopni  
*Nov 18, 2018, 2:55 PM*