

# FRUIT HAZY IPA

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **46**
- SRM **4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **4 %**
- Size with trub loss **26.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.8 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.6 liter(s)**
- Total mash volume **28.8 liter(s)**

## Steps

- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21.6 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **32.8 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pilzneński                 | 5 kg (69.4%)   | 81 %  | 4   |
| Grain | Weyermann pszeniczny jasny | 1 kg (13.9%)   | 80 %  | 6   |
| Grain | płatki ryżowe              | 0.8 kg (11.1%) | 85 %  | 3   |
| Grain | Płatki owsiane             | 0.4 kg (5.6%)  | 85 %  | 3   |

## Hops

| Use for   | Name    | Amount | Time     | Alpha acid |
|-----------|---------|--------|----------|------------|
| Boil      | Cascade | 30 g   | 60 min   | 6 %        |
| Whirlpool | Cascade | 70 g   | 30 min   | 6 %        |
| Whirlpool | Simcoe  | 50 g   | 30 min   | 13.2 %     |
| Dry Hop   | Cascade | 100 g  | 5 day(s) | 6 %        |
| Dry Hop   | Simcoe  | 50 g   | 2 day(s) | 13.2 %     |

## Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| fm 55 | Ale  | Slant | 500 ml | Fermentis  |

## Extras

| Type   | Name        | Amount | Use for   | Time     |
|--------|-------------|--------|-----------|----------|
| Flavor | pulpa mango | 800 g  | Secondary | 3 day(s) |
| Flavor | laktoza     | 500 g  | Boil      | 15 min   |