

# Forest IPA 2022

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- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **30**
- SRM **4.8**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **31.5 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

## Steps

- Temp **67 C**, Time **70 min**
- Temp **77 C**, Time **5 min**

## Mash step by step

- Heat up **20.1 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **77C**
- Sparge using **18.1 liter(s)** of **76C** water or to achieve **31.5 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt  | 5 kg (74.6%)   | 85 %  | 7   |
| Grain | Weyermann pszeniczny jasny | 0.5 kg (7.5%)  | 80 %  | 6   |
| Grain | Płatki owsiane             | 0.8 kg (11.9%) | 60 %  | 3   |
| Grain | Cara-Pils/Dextrine         | 0.4 kg (6%)    | 72 %  | 4   |

## Hops

| Use for             | Name     | Amount | Time     | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Boil                | Marynka  | 20 g   | 60 min   | 8 %        |
| Boil                | Mosaic   | 30 g   | 20 min   | 12.8 %     |
| Aroma (end of boil) | Izabella | 50 g   | 0 min    | 6.8 %      |
| Dry Hop             | Mosaic   | 20 g   | 0 day(s) | 10 %       |

## Yeasts

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

## Extras

| Type | Name   | Amount | Use for   | Time     |
|------|--------|--------|-----------|----------|
| Herb | Świerk | 200 g  | Boil      | 30 min   |
| Herb | Świerk | 100 g  | Boil      | 0 min    |
| Herb | Świerk | 100 g  | Secondary | 7 day(s) |