

DDH HAZY IPA 13 BLG#59

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **50**
- SRM **4.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 4 kg (66.7%) | 80 % | 5 |
| Grain | Pszeniczny | 1 kg (16.7%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 0.5 kg (8.3%) | 60 % | 3 |
| Grain | Płatki owsiane | 0.5 kg (8.3%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------------------|--------|----------|------------|
| Boil | Zibi Polish Hops | 50 g | 60 min | 10.3 % |
| Aroma (end of boil) | Exp 2/20 Polish Hops | 50 g | 0 min | 8.1 % |
| Dry Hop | Exp 2/20 Polish Hops | 60 g | 7 day(s) | 8.1 % |
| Dry Hop | Exp 3/20 Polish Hops | 50 g | 4 day(s) | 6.9 % |
| Dry Hop | Zibi Polish Hops | 50 g | 4 day(s) | 10.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM55 Zielone Wzgórze | Ale | Liquid | 30 ml | Fermentum Mobile |