

## Hazy IPA #53

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **38**
- SRM **4.7**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **0 %**
- Size with trub loss **14.4 liter(s)**
- Boil time **45 min**
- Evaporation rate **12 %/h**
- Boil size **18 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.8 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

### Mash step by step

- Heat up **11.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **10.6 liter(s)** of **76C** water or to achieve **18 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale Malt | 3 kg (81.1%)   | 80 %  | 7   |
| Grain | Oats, Flaked         | 0.4 kg (10.8%) | 80 %  | 1   |
| Grain | Wheat, Flaked        | 0.3 kg (8.1%)  | 77 %  | 3   |

### Hops

| Use for | Name     | Amount | Time     | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil    | Amarillo | 10 g   | 20 min   | 9.2 %      |
| Boil    | Azacca   | 10 g   | 20 min   | 13 %       |
| Boil    | Amarillo | 15 g   | 10 min   | 9.2 %      |
| Boil    | Azacca   | 10 g   | 10 min   | 13 %       |
| Boil    | Amarillo | 10 g   | 5 min    | 9.2 %      |
| Boil    | Amarillo | 15 g   | 0 min    | 9.2 %      |
| Dry Hop | Amarillo | 50 g   | 0 day(s) | 9.2 %      |

### Yeasts

| Name                         | Type | Form   | Amount | Laboratory |
|------------------------------|------|--------|--------|------------|
| Coastal Haze Ale Yeast Blend | Ale  | Liquid | 50 ml  | White labs |

## Extras

| Type        | Name                | Amount | Use for | Time   |
|-------------|---------------------|--------|---------|--------|
| Water Agent | Phosphoric Acid 85% | 3 g    | Mash    | 60 min |
| Water Agent | Calcium Chloride    | 1.2 g  | Mash    | 60 min |