

Idaho Ipa

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **40**
- SRM **5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **26.8 liter(s)**

Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **20.5 liter(s)**
- Total mash volume **26.7 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **20.5 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **26.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (80.6%) | 80 % | 5 |
| Grain | Weyermann - Carapils | 0.4 kg (6.5%) | 78 % | 4 |
| Grain | Platki owsiane | 0.4 kg (6.5%) | 60 % | 3 |
| Grain | Carahell | 0.4 kg (6.5%) | 77 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil | Warrior | 10 g | 60 min | 15.5 % |
| Boil | Warrior | 20 g | 20 min | 15.5 % |
| Boil | Idaho 7 | 25 g | 5 min | 12.7 % |
| Aroma (end of boil) | Idaho 7 | 25 g | 0 min | 12.7 % |
| Whirlpool | Michigan coopers | 50 g | 0 min | 10.5 % |
| Dry Hop | Idaho 7 | 50 g | 5 day(s) | 12.7 % |
| Dry Hop | Falconer's Flight | 30 g | 5 day(s) | 10.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------------------------|-----|--------|--------|-------------|
| Wyeast - 1056 American Ale | Ale | Liquid | 200 ml | Wyeast Labs |
|-------------------------------|-----|--------|--------|-------------|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------|--------|---------|--------|
| Water Agent | Gips | 5 g | Mash | 60 min |
| Fining | Whirfloc | 5 g | Boil | 15 min |