

# Vermont IPA

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **21**
- SRM **3.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

## Steps

- Temp **62 C**, Time **30 min**
- Temp **70 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **17.5 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **70C**
- Keep mash **1 min** at **78C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount       | Yield | EBC |
|-------|--------------------------|--------------|-------|-----|
| Grain | Colorado Honig           | 1 kg (20%)   | 79 %  | 5   |
| Grain | Słód pszeniczny Bestmalz | 1.7 kg (34%) | 82 %  | 5   |
| Grain | Strzegom Pilzneński      | 2.2 kg (44%) | 80 %  | 4   |
| Grain | Płatki pszeniczne        | 0.1 kg (2%)  | 85 %  | 3   |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Motueka | 20 g   | 20 min   | 7 %        |
| Boil    | Cascade | 20 g   | 20 min   | 7 %        |
| Boil    | Motueka | 30 g   | 1 min    | 7 %        |
| Boil    | Cascade | 30 g   | 1 min    | 7 %        |
| Dry Hop | Motueka | 50 g   | 3 day(s) | 7 %        |
| Dry Hop | Cascade | 50 g   | 3 day(s) | 7 %        |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |

## Extras

| Type  | Name    | Amount | Use for | Time   |
|-------|---------|--------|---------|--------|
| Other | Laktoza | 150 g  | Boil    | 15 min |