

# Summer Session IPA

- Gravity **12.3 BLG**
- ABV ---
- IBU **65**
- SRM **5.2**
- 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 **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.4 liter(s)**
- Total mash volume **19.8 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **15.4 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount        | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale   | 3 kg (68.2%)  | 79 %  | 7   |
| Grain | Strzegom Pilzneński | 1 kg (22.7%)  | 81 %  | 4   |
| Grain | Pszeniczny          | 0.4 kg (9.1%) | 85 %  | 4   |

## Hops

| Use for             | Name                   | Amount | Time     | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 30 g   | 60 min   | 15.5 %     |
| Boil                | Columbus/Tomahawk/Zeus | 10 g   | 20 min   | 15.5 %     |
| Aroma (end of boil) | Ahtanum                | 10 g   | 0 min    | 4.6 %      |
| Aroma (end of boil) | Cascade                | 10 g   | 0 min    | 6 %        |
| Dry Hop             | Ahtanum                | 40 g   | 5 day(s) | 4.6 %      |
| Dry Hop             | Cascade                | 40 g   | 5 day(s) | 6 %        |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-05 | Ale  | Dry  | 11 g   | Safale     |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|             |      |      |      |     |
|-------------|------|------|------|-----|
| Water Agent | Gips | 10 g | Mash | --- |
|-------------|------|------|------|-----|