

# Morning Glow

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **54**
- SRM **3.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

## Fermentables

| Type  | Name             | Amount         | Yield | EBC |
|-------|------------------|----------------|-------|-----|
| Grain | Pilzneński       | 4 kg (65.6%)   | 81 %  | 4   |
| Grain | Płatki owsiane   | 1.2 kg (19.7%) | 85 %  | 3   |
| Grain | Płatki orkiszowe | 0.9 kg (14.8%) | 80 %  | 4   |

## Hops

| Use for   | Name     | Amount | Time     | Alpha acid |
|-----------|----------|--------|----------|------------|
| Boil      | lunga    | 60 g   | 45 min   | 11 %       |
| Whirlpool | Glacier  | 75 g   | 0 min    | 5.5 %      |
| Whirlpool | Mosaic   | 50 g   | 0 min    | 10 %       |
| Whirlpool | Amarillo | 50 g   | 0 min    | 9.5 %      |
| Dry Hop   | Glacier  | 75 g   | 2 day(s) | 5.5 %      |
| Dry Hop   | Mosaic   | 50 g   | 2 day(s) | 10 %       |
| Dry Hop   | Amarillo | 50 g   | 2 day(s) | 9.5 %      |

## Yeasts

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

## Extras

| Type  | Name             | Amount    | Use for | Time  |
|-------|------------------|-----------|---------|-------|
| Other | duuuuużo miłości | 1.0E+22 g | Boil    | 0 min |