

SOUTHERN CROSS NEW ZELAND SINGLE HOP

- Gravity **14.6 BLG**
- ABV ---
- IBU **73**
- SRM **5.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **12.5 liter(s)**
- Trub loss **15 %**
- Size with trub loss **14.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **16.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

Steps

- Temp **53 C**, Time **0 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **77 C**, Time **5 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **0 min** at **53C**
- Keep mash **60 min** at **63C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **77C**
- Sparge using **9.6 liter(s)** of **76C** water or to achieve **16.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------|----------------|-------|-----|
| Grain | Pale Ale | 3 kg (85.7%) | 81 % | 4 |
| Grain | Monachijski | 0.25 kg (7.1%) | 80 % | 20 |
| Grain | Chit Malt | 0.25 kg (7.1%) | 50 % | 2.5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|----------------|--------|----------|------------|
| Boil | Southern Cross | 15 g | 60 min | 14 % |
| Boil | Southern Cross | 15 g | 30 min | 14 % |
| Boil | Southern Cross | 15 g | 10 min | 14 % |
| Boil | Southern Cross | 20 g | 0 min | 14 % |
| Whirlpool | Southern Cross | 25 g | 15 min | 14 % |
| Dry Hop | Southern Cross | 30 g | 4 day(s) | 14 % |

Yeasts

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

| | | | | |
|----------------------|-----|-------|--------|------------------|
| FM52 Amerykański Sen | Ale | Slant | 150 ml | Fermentum Mobile |
|----------------------|-----|-------|--------|------------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 10 g | Boil | 10 min |