

Żytnie

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **12**
- SRM **4.9**
- Style **American Wheat or Rye Beer**

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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------|----------------|-------|-----|
| Grain | Pszoniczny | 1.8 kg (41.9%) | 85 % | 4 |
| Grain | Monachijski | 1.6 kg (37.2%) | 80 % | 16 |
| Grain | Żytni | 0.9 kg (20.9%) | 85 % | 8 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 6 g | 60 min | 6.7 % |
| Boil | Perle | 10 g | 60 min | 7.2 % |