

## 16. Hicago Wheat v3

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **25**
- SRM **4.5**
- Style **American Wheat or Rye Beer**

### Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **17.9 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.5 liter(s)**
- Total mash volume **14.8 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**

### Mash step by step

- Heat up **11.5 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **17.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	1.5 kg (45.5%)	80 %	4
Grain	Castle Pale Ale	1.5 kg (45.5%)	80 %	8
Grain	Oats, Flaked	0.3 kg (9.1%)	80 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	12.2 %
Boil	Amarillo	10 g	10 min	8.4 %
Dry Hop	Amarillo	24 g	2 day(s)	8.4 %
Dry Hop	Citra	18 g	2 day(s)	13.4 %
Dry Hop	Hallertau Spalt Select	15 g	2 day(s)	6.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Spice	Kaffir	5 g	Boil	10 min