

# Mandarina Wheat

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- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **39**
- SRM **5**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **80 C**, Time **1 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **80C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **23.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	2.5 kg (50%)	80 %	7
Grain	Weyermann pszeniczny jasny	2.5 kg (50%)	80 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mandarina Bavaria	70 g	15 min	10 %
Dry Hop	Mandarina Bavaria	100 g	3 day(s)	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	7 g	Fermentis

## Notes

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*Aug 1, 2017, 11:24 AM*