



IMPERIAL MILK STOUT | 10 LITER

MILK STOUT



Coppersmith's Brewery in Västerås, Sweden has released a milk stout called The King's Imperial Milk Stout. This is the official all-grain clone beer kit. Malty and sweet taste with notes of dark bread, nougat, coffee, licorice, raisins and orange flavoured chocolate.

KITTET INNEHÅLLER:

CRUSHED MALT:

2.50 kg Pilsner Malt
0.45 kg Pearled Black Malt
0.33 kg Caramel Malt 100
0.25 kg Wheat Malt
0.15 kg Cookie Malt
0.13 kg Flaked Torrefied Oats

HOPS:

50 g Fuggles
25 g Fuggles
25 g Fuggles

YEAST:

2 pcs Liberty Bell M36 | Mangrove Jack's

SUGARS:

320 g Laktos
670 g Sackaros

EXPECTED OG: 1.109 | **EXPECTED FG:** 1.036

EXPECTED ABV: 9.6% | **FERMENTATION TEMP:** 20°C

BEER XML: File for Brewfather etc available for download at maltmagnus.se

IF YOU HAVE BREWED BEFORE:

This is basic step-by-step instructions mainly for beginners. If you have brewed before, just use your brewing equipment as usual. You will find mash temperatures and hop additions steps in these instructions.

YOU NEED:

- Cleaner and sanitizer
- Kettle or brewing equipment to boil 20 liters of wort.
- Kettle for heating sparge water.
- All Grain brewing equipment.
- Fermentation equipment.
- Kegging equipment.

Equipment and ingredients can be found at www.maltmagnus.se

NOTE! We recommend kegging for this beer since priming can be a problem due to high ABV.

BREW DAY

1. Start with making sure everything in the kit is included.
2. Read through the instructions!
3. Wash and clean the brewing equipment. Do not use the same equipment used while cooking or washing up.
4. Sterilize the equipment that will be in contact with the wort after chilling. Follow the dosage instructions on your sanitizer. Your beer can get infected if this step is not done correct.

STEP 1

1. Fill up with water to the false bottom if you have one before measuring 3 liters per 1 kg malt.
2. Heat 3 liters of water per 1 kg malt to +65°C.

STEP 2

MASH IN - Add the crushed malt while stirring to avoid lumps. Mash for 60 minutes.

STEP 3

MASH OUT - Rise the temperature while stirring to +76°C for about 10 minutes.

STEP 4

SPARGE - Prepare water in your hot liquor tank / kettle to a temperature of +80°C.

Rinse the malt gently with the hot water until you reach a total volume of 13-15 liters in your boil kettle.

STEP 5

BOIL - Start heating until you reach a boil.

The hops shall boil for 60 minutes. Do not use lid!

Open the bag labeled **50 g Fuggle**. Pour the content into the kettle. Boil for 45 minutes.

Open the bag labeled **25 g Fuggle**. Pour the content into the kettle. Boil for 10 minutes.

Pour **320 g Lactose** and **670 g Sucrose**. Let dissolve for approx 5 minutes.

Turn off the heat / Flame out!

Open the bag labeled **25 g Fuggle**. Pour the content into the kettle. Stirr for approx 5 minutes.

STEP 6

COOLING – Cool the wort as rapidly as possible to around +20°C. Use spiral cooler or other cooling equipment. If you do not have any, put the fermentation bucket in a cool water bath.

NOTE! Do not use any un-sanitized equipment or hands in the wort at this point!

Take a sample and measure the Oeschle value with a hydrometer and write down the result. This is the OG value.

STEP 7

FERMENTATION AND DRY HOPPING – Open up the yeast package with a sterilized scissors and pour it into the cooled wort.

Fill the airlock and put it into the lid of the fermentation bucket.

Place the bucket on a dark spot keeping a temperature of +20°C.

Leave for 14 days. When the fermentation is done take a wort sample and measure it with your hydrometer. This is the FG.

Calculation ABV: $(OG-FG) \times 131,25 = ABV$

BOTTLING

BOTTLING YOUR BEER:

1. We highly recommend using keg for this beer.