Extracting Honey

The basic steps

- Check the honey is ready to extract
- Clear the bees from the super
- Remove the super from the hive
- Prepare the extraction space
- Uncap the comb
- Spin the combs to extract the honey
- Strain the honey into a bucket
- Decant into jars

Tools required

- Porter bee escape or rhombus
- Spare crown board or cover , and base-tray (for transportation)
- Newspaper to cover the floor, plus plenty of spare
- Uncapping tool and food-grade cappings collector
 - Long bladed knife
 - Uncapping fork
 - Heated uncapping knife
 - Heat gun
 - (heated) uncapping tray, or bowl and wooden stick



Check the honey is ready to extract

- The majority of honey on the comb should be capped
- Lift out the frame , hold it horizontally over the hive and give it a shake
- If it drips, it is not ready
- If it does not drip even if it is not all capped it is OK to extract
- It maybe that not all the frames in a super will be ready



Remove the super from the hive

- Lift the cleared super away from the hive
- Brush away any remaining bees
- If not taking all the frames transfer those to be extracted to another box. Fill the gaps with fresh frames drawn if possible, and if appropriate return the super to the hive.
- If transporting the box, cover with a crown board to keep raiding bees out, and stand it on something to protect the surface you put it down on.
- Never assume there are no more bees wear a bee suit!



Uncap the comb

• Ideally stand the comb up on an uncapping tray

- Any food-grade plastic or metal tray, or a bowl with a wooden stick across it, will do; or use a heated uncapping tray
- Traditionally a knife is used to slice away the cappings
 - Long bladed knife
 - Heated uncapping knife
 - Uncapping fork to open all the cells
- A heat gun is a great alternative use with care and don't overheat the honey
- Collect the cappings in a bowl , bucket or tray

Place frames in the extractor and spin

- Check the honey-gate is closed tightly
- As soon as the cappings are off, place the frame into the extractor so any drips of honey are not lost
- If the extractor is not full, ensure the frames are spaced so the device is balanced
- Once filled place the lid on the extractor and spin,
 By hand a good workout!
 - Electric
- Radial extractor: top of bars at the outside; check the frames from time to time and stop when most of the honey has been extracted
- Tangential extractor: bottom bars in direction of travel; start slowly to avoid damaging the comb – centrifugal force is powerful!- reverse frames; spin and reverse again

Remove the frames

- The spun frames can be removed and returned to the super, standing it on something to protect the work surface
- This is called a 'wet super'; it can be placed back on the hive for the bees to refill, putting drawn comb on the hive will allow the bees to store honey more quickly or stored safely
- Alternatively, place it back on the hive above the crown board with only a small hole uncovered ; the bees will clean it up. The super can then be stored until required, or overwintered.



Bottling the honey

- Leave in the honey bucket to settle for 24 hours; air bubbles will rise to the top
- Any clean, sterile glass jar can be used to store honey
 - If selling, honey jars must be new and unused
 - Honey is a food product; follow good hygiene practice and labelling laws
- 8oz or 1lb jars are common sizes
- If the honey in the storage bucket is runny and the bucket has a tap, decant it into jars by running down the sides to avoid entrapping air



Cleaning up

- Use cold water to clean extractor, tray and tools, (follow with warm detergent if needed) and leave to dry thoroughly
- Clean up sticky feet and floors

Warming honey

- All honey (except perhaps heather) will eventually set; if it doesn't, it isn't honey – it could be counterfeit sugar syrup
- Some, such as rape flower honey will set quickly
- Warming it slowly 8-24 hours at 37-40 ° C will melt the crystals, clear it and make it runny again
 - Commercial warmer
 - old fridge or insulated box with a lightbulb in it
 - cool Aga oven

Churned honey

- Creaming (warm) granulated honey will break the crystals into a smooth soft spread
- keep mixer below honey surface to avoid entrapping air
- Mixer that will fit into your container
 - Creamer
 - Mixing propeller on a drill
 - Plaster mixer attachment on a drill
 - Kitchen mixer with a strong motor
 - Potato masher



Labelling laws

- No misleading information, either words or pictures
- No flavour claims
- Geographical or topological descriptions must be accurate
- List of allowed names eg. Baker's honey
- Apply to both honey and honey products
- Requirements differ, depending on whether selling directly to public or via a third party
- Keep records



Sales via a shop

• Shop sales

All previous information PLUS

- ingredients in descending weight order, and percentage
- Best before date
- Country of origin
- Storage information