

Useful Reusing

- How to make a flower-pot fridge



If, like us at Windmill, you don't have electricity, you can still keep your food cool, even on hot days. Our "fridge" uses physics to keep it cool, as it uses the cooling effect of evaporation to cool down, even in hot weather.

To make a flowerpot fridge, you will need:

- 1 large terracotta pot
- 1 smaller terracotta pot which sits inside the first with at least a 1cm gap between them.
- Clean builder's sand
- A white ceramic plate large enough to cover the inner pot
- An absorbant cloth
- Water
- Watering can or funnel
- Saucer large enough to stand pot on.

How To:

1. Place a 1-2cm deep layer of sand in the bottom of the flowerpot and level it.
2. Insert the inner pot and centre it in the outer pot. Its top should be roughly level with the top of the outer pot. Turn in place to settle it.
3. Add more sand until the level is almost up to the top of the lip of the flowerpots. A plastic bottle with the base cut off can make a useful funnel to pour the sand into the narrow gap and speed up this process.
4. Use a funnel or watering can to thoroughly soak the sand. You may find that wetting it makes the sand level go down as any gaps get filled in. In this case, add more sand.
5. Use a white ceramic saucer as a lid. In hot weather, this can also be covered by a wet cloth.
6. The fridge is now ready to use. Make sure that the sand stays moist. You can stand it on a saucer and add some water to this to keep it moist.

