

# Let's make multifunctional harvesting system with water retention!

- This is an innovative multifunctional harvesting system with water retention.
- You can make the block from very simple and inexpensive ingredients such as soil, sand, and plant ash.
- This system is quite durable, highly retaining water, preventing soil loss, and even supplying nutrients.

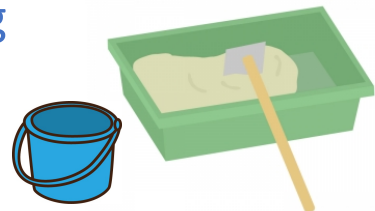


## 1 Preparing ingredients



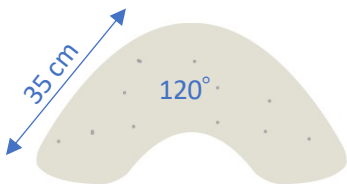
Prepare ingredients: soil, sand, plant ash, dry cattle manure, and plant residue. These are required to make one block (5kg).

## 2 Mixing



Mix ingredients with approx. 0.2L of water. Add water little by little until it becomes solid. If you find the mixture is easily crumbled, add water little by little.

## 3 Molding



Place the mixed ingredients in the mold made by digging the ground.

## 4 Hardening



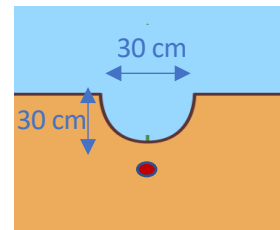
Wait for a week till it hardens. Wait for another month for excess alkaline components (harmful effect for cultivation) are washed out.

## 5 Taking out



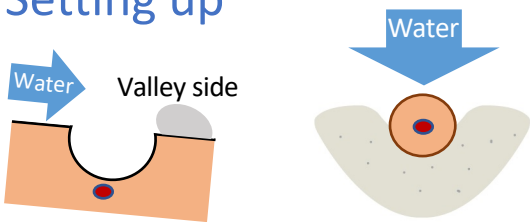
Carefully pull the block out of the mold.

## 6 Digging a hole



Dig a seedling/planting hole with 30 cm in diameter and depth.

## 7 Setting up



Install the block on the valley side of the hole to retain water.

## 8 Application



You can make a dike with hardened soil. In addition, when you apply the kneaded soil, you can reinforce the banks and slopes.

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