

VERTICAL FARMING

Vertical farming is farming in shelves like pattern. It does not require a large area for practice. It is very effective in usage of water and other requisite minerals. About 6 – 7 different vegetables can be grown at the same time with minimum management practices.

Materials Required

1. Pipe made from bamboo/cane/PVC, etc.
2. Top Soil
3. Seedlings of crops taken for growing
4. Sacks/Gunny bags etc.
5. Bamboo cone/basket (big)
6. Sharp object for perforation

Procedure

1. Perforate the pipe which will be used for the supply of water to the entire set up by using the perforator
2. Place the pipe made up of other locally available material and place it in the middle of the cone to be the structure for irrigating the basket
3. Fill the basket with size (diameter of 1.5 ft and height of 3.5 ft) with topsoil mixed with compost(2:1) till it is almost full
4. Again using the perforator, make holes from different sides of the set up to enable the different seeds/seedlings to be planted
5. Plant the seeds/seedlings in the holes created in the basket at all possible angles
6. Irrigate the set up by pouring water in the pipe from the above so that water goes out to all the seeds/seedlings
7. Observe on a weekly basis on the growth, development with proper management practises.

Precautions

- ❖ The basket should not be filled completely with soil as it may cause soil and water loss along with seeds/seedlings during rainy seasons or during irrigation
- ❖ The set up should not be mixed with any chemical inputs



Construction of the vertical farming unit



Transplanting of the seedlings in the vertical farming unit



Harvesting of vegetables from the Vertical Farming unit



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