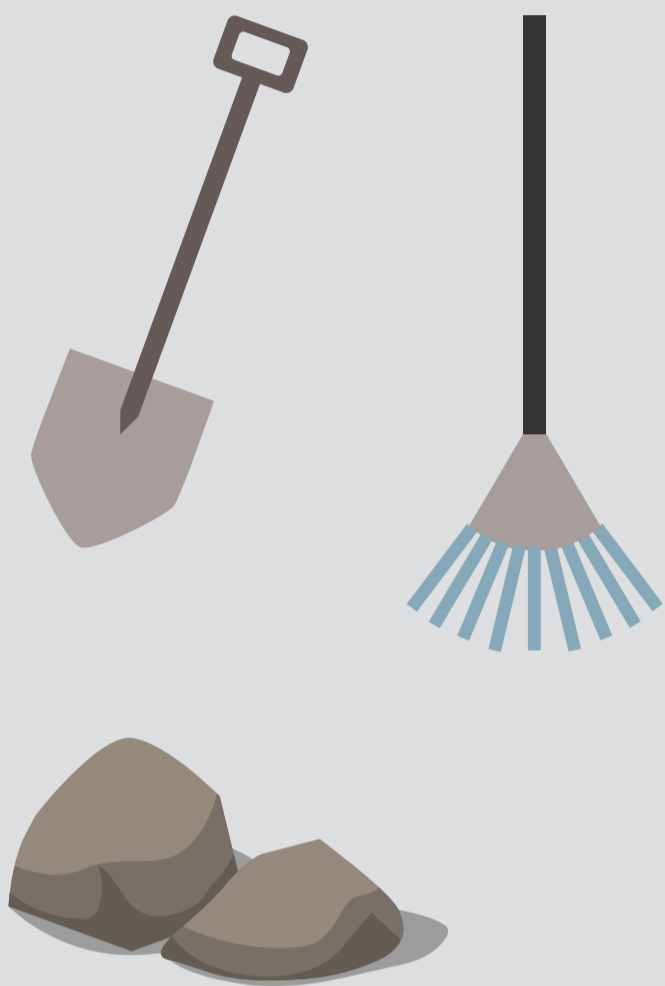


Create Your Greywater System



Materials

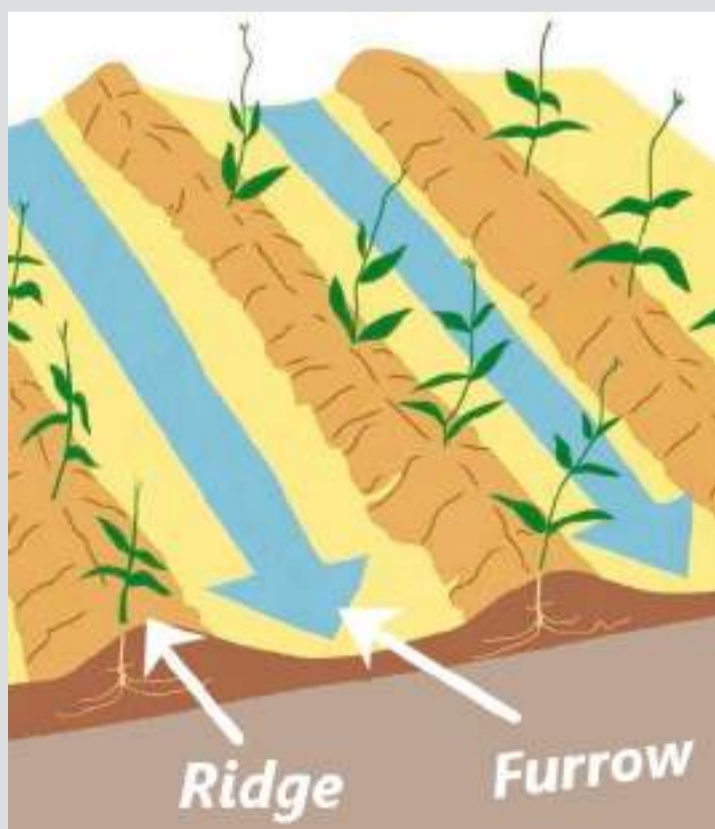
You will need:

- a shovel/stick and rake/hoe
- soil, fruit trees
- stone/brick/cement for paving
- OPTIONAL: compost (for plant growth),

STEP 1:

Pave the showering/bathing area so that water will not create a puddle on the ground. You can use stone, bricks, cement, or strong wood to pave this area.

Raise this area as well to prevent it from eroding the soil by adding more soil.



STEP 2

Find the best way that this shower water can travel down the furrows to reach the plants. You can do this just by seeing where the water from the raised shower position will go. A slope of 1/8th a ft is recommended.

Continued



STEP 3

Determine the path from where water will flow from the bathing area to the bottom. Test out the path of the water from the bathing area.

STEP 4

Build a furrow of dirt that leads from the bathing area down to where the plants will be. If there is a lot of water, then build at least 2 furrows. You can build it in a "Y" shape and switch with the trail the water goes down to by closing one off with a coconut or a stone.



STEP 4.5

Another option is to have a pipe that you can move to shift which furrow the water goes into.

Continued



STEP 5

Plant your plants! Plants that require more water should be near the water source whereas the ones that need less should be closer to the end of the furrows. Plant along the water source because the roots will dry the furrows faster and create a privacy barrier for the bather.

STEP 6

Test and **check up** on your system! Pour water in the furrows and see if the water goes where desired, adjusting as needed. Continue to monitor as the wet and dry seasons come, checking plants for progress and paving again when needed.



Village women have made Greywater Furrows (arrows) that channel water and bathwater to several newly planted fruit trees.

Tips:

- **If you want more water to infiltrate the plants, make the furrows wider and flatter**
- **If you want less water to infiltrate, make the furrows narrower and steeper**
- **Children are allowed to be near the greywater but should not touch it with their hands as this greywater is not filtered**

Sources:

- Ludwig, Art. Create an oasis with greywater. Distributed by Oasis Design, 1997. (content and bottom picture)