



Drip irrigation



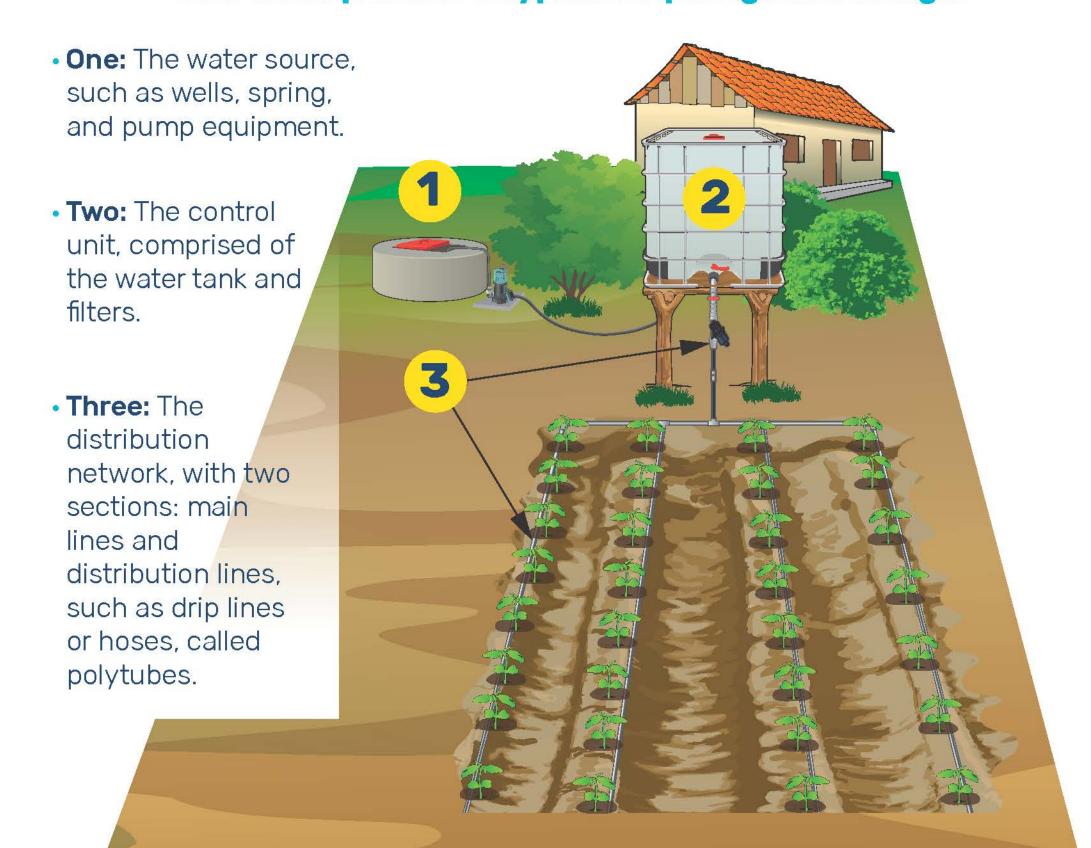
Drip irrigation

It's an easy to manage system with quick installation that can be used to plant during the dry season or when rains are not plentiful.

Tools and materials required



The three parts of a typical drip irrigation design



How much water do you need to tend your garden?

A screw dripper emits between 2-10 litres of water per hour.

With this information and knowing the water needs according to the vegetables or fruit trees, calculate the water per day needed to irrigate the garden.



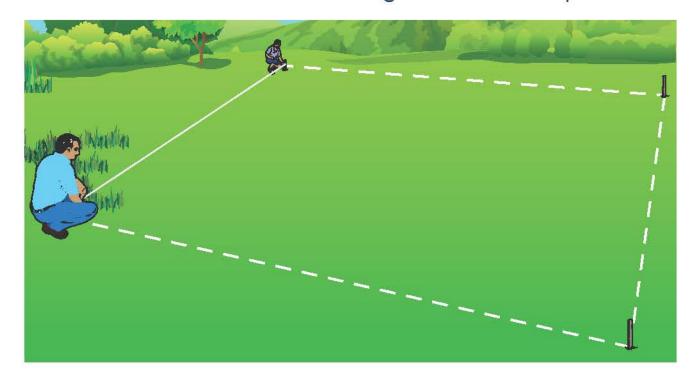
Step by step: Installing a drip irrigation system

Water needs according to the

vegetable stage

Step 1

Measure the area where the garden will be planted.



Crop	Early stage (lt/m²)	Development stage (lt/m²)	Middle stage (lt/m²)	Final stage (It/m²)
White onion	4	5.6	8	8
Cabbage	6	6	8.4	7.2
Cucumber	3.6	5.6	7.2	6
Marrow	3.6	5.6	7.2	6
Bell pepper	2.8	5.6	8.4	7.2
Radish	3.6	4.8	7.2	7.2
Tomato	3.6	6	9.2	4.8
Carrot	3.6	6	8.4	7.2

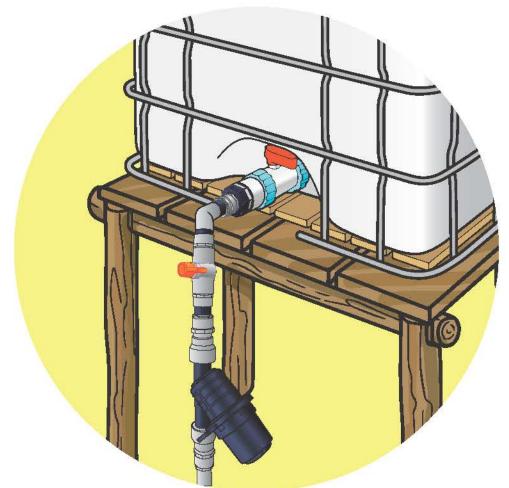
Install the network of tubes, hoses or drip lines that take the water to the beds or benches.

Step 2

Fence it with posts and cloth or chicken-wire, to protect it from animals.

Step 4

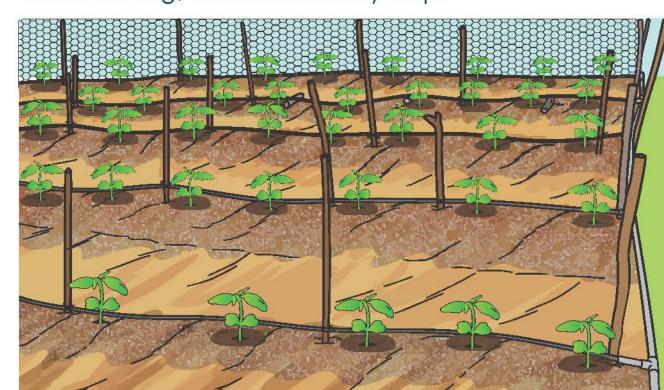
Place a PVC pipe at the base of the tank with its shut-off valve and filter, following the technical recommendations of an expert.



Step 6

The lateral distribution layout with drip lines or polytubes is pegged down with stakes and wires over the beds or benches. The self-tapping screws which will serve as drippers or emitters must be spaced according to the spacing of the plants.

On installing, make sure they drip.



Step 3

Determine the place where the water tank will be installed, and build a platform for it ½-1½-metres-high.









