

The Waterflower, a do-it-yourself economical water sequestration system,



Take a 1 1/2 litre PET bottle. Using a 3 mm drill bit or a hot soldering iron make a hole in the face of the stopper. Using the stationery knife cut the bottle in two at the third moulded ring from the bottom. Take the cut-off end and use a pair of scissors to cut vertically down 50 mm (2 inches) eight times with equal spacing between cuts. Bend the slices over and push a thumbnail into the centres of the moulded rings so that the rings bend out and stay there. Make small holes in the bottom of this part.

Force this part into the top part of the bottle so that the moulded rings of the bottom part lock onto the moulded rings of the top part. The holes made let water through but are small enough to prevent mosquitoes from entering and laying eggs in the water. During heavy rain the system will fill up but after rain has stopped the water will begin to drain out through the hole in the stopper so there will not be an open pool of water left for mosquitoes to lay their eggs in.



Scissor cuts

Holes in the bottom.



Stopper with hole in it

Parts required:

One 1.5 litre PET bottle, choose a bottle design without any spiral or bulbous mouldings.

Tools required for making and installation:

A pair of scissors, a stationery knife, a soldering iron with a small bit or a hand drill with a 3 mm (1/8") drill bit, a ground auger to make a hole in the soil 100mm (4 inches) diameter 200 mm (8 inches) deep.

