

How to Make a Drip Irrigator from a Plastic Bottle

Some plants require frequent watering that not everyone has the time for. If you find yourself with lots of thirsty plants and not enough time to water them in, you may want to set up a drip irrigation system. Buying pre-made ones from the store can get expensive, but luckily it is fairly cheap and easy to make one at home using plastic bottles. Best of all, you will be helping the environment by recycling plastic bottles.

Making a Slow-Release Irrigator

1

Get a plastic bottle. A 2-liter bottle will work the best, but you can use a smaller one for a smaller plant. Clean the bottle thoroughly with water, and remove the label.

2

Poke 4 to 5 holes in the cap. Remove the cap and set it down on a piece of scrap wood. Use a drill or a nail and hammer to poke several holes into it. The more holes you poke, the faster the water will flow out. Place the cap back onto the bottle when you are done.[\[1\]](#)

Avoid making the holes too small, or they may get clogged up by the soil.[\[2\]](#)

3

Cut the bottom off of the bottle. You can do this with a serrated knife or a pair of sharp scissors. Plan on cutting the

bottom inch (2.54 centimeters) off of the bottle.[\[3\]](#) If your soda bottle has a molded line around the bottom, you can use that as a guide instead.

4

Dig a hole into the soil. It needs to be deep enough so that you can fit your bottle halfway into it.[\[4\]](#) Plan on making the hole about 4 to 6 inches (10.16 to 15.24 centimeters) away from the plant's stem. If you are digging next to an established plant, be careful not to cut through the roots.[\[5\]](#)

5

Place the bottle into the hole, cap-side-down. If you have not already, screw the cap back onto the bottle. Flip the bottle upside down, and insert it cap-side-down into the hole. Gently pat the soil down around the bottle.

You can insert the bottle deeper into the soil, but you will need at least 1 inch (2.54 centimeters) sticking out of the soil. This will prevent soil from getting into the water.[\[6\]](#)

6

Fill the bottle with water, and invert the bottom of the bottle so it rests on the water, ready to catch any debris that would otherwise sink and clog the system. Leave your drip irrigation to do its work. Make as many drip irrigation as you need for all of your plants.

APPLICATION: -

Start by cutting off the bottom of a plastic bottle then poke or drill holes into either the cap or neck of the bottle. Bury the bottle upside down close to a plant so that the holes lie about four inches (10cm) below the surface.

OBJECTIVES: -

With drip irrigation, water is conveyed under pressure through a pipe system to the fields, where it drips slowly onto the soil through emitters or drippers which are located close to the plants. ... The small amount of water reduces weed growth and limits the leaching of plant nutrients down in the soil.

PROGRAMMING: -

NO NEEDED