

Read all instructions through first.



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GROWPITO SIM MIX - FLOOD AND DRAIN - SOAKING AND WATERING INSTRUCTIONS FOR CANNABIS

**\*Dry fibers may become airborne upon opening and emptying the bag. Please use a facemask as precaution, prior to soaking the medium. If skin irritation occurs, gloves may be worn.\***

***We use an EC meter for checking our nutrient levels. You can use a conversion chart to convert the EC in our instructions to your desired meter reading.***

1. To prepare the new Growpito Sim Mix for use, it must first be soaked/charged to ensure that the medium will achieve its full potential.
2. Be sure to make enough solution to submerge the medium completely, with at least one inch of water above the top of the medium. To make solution, add 0.500 EC of your grow nutrients, not including the water's EC/PPM, to your water. Adjust the pH to 5.5. At this time, we add Growpito Beneficials to the soak, to introduce beneficial bacteria and Trichoderma. **Add the solution to the Sim Mix in a large container.** Let this set for 2-24 hours, making sure all the fibers are saturated.
3. Drain the water. (Save solution for compost pile) Do not worry about the pH of this soak water you drain off. From here on out, your plant and our medium will self-adjust pH and stabilize. You will see when you meter test your return water after your first flood and drain, which you will pH to 5.6-6.0, that the pH has stabilized.
4. Remove the Sim Mix and gently squeeze the excess solution from the medium, if necessary, without squeezing it all out. You still want there to be solution held in the fibers, just not dripping. This can be done by hand-squeezing, by pressing the medium, or by using a centrifuge for a very short amount of time (about 15 seconds). If time allows, the wet Sim Mix can be put into the actual growing containers and allowed to sit and drain, naturally. The time needed will depend on the size of the growing containers.
5. Fluff up the Sim Mix and loosely add to the container you will grow in. Fill the container to the top with Sim Mix. (We recommend 3- to 5-gallon pots, or 3- to 5-gallon smart pots.)
6. Growpito Sim Mix is now ready for planting.
7. Now you can set your plant. Make a small hole to accommodate the cutting or seedling and fill in around the sides with Sim Mix.
8. Add water to a separate watering container and make a nutrient and enzyme solution. Add 0.800 EC grow nutrients to the water's EC/PPM and set pH to 5.6-6.0. Using one liter per plant, pour around the main stem to encourage the roots to follow the water to the bottom of the container. Once the plant is watered-in, use dry Sim Mix wool to top-dress each pot. A 1 to 1 ½-inch layer of top dress will stop algae from growing, will conserve water, and will deter pests from entering the medium.

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9. Wait 5 days, with no watering.

10. After 5 days, you can flood the tray to 25% of the height of the containers. (Your reservoir should only hold enough water to flood the containers to 25% of the grow container.) Fill reservoir with the desired amount of water and add 1.000 EC nutrients and additives to the water's EC/PPM, pH to 5.6-6.0, mix solution and flood the tray.

11. Next, immediately drain or pump back the solution into the reservoir. No need to let the solution sit. (FLOOD AND DRAIN/EBB AND FLOW)

12. After the solution is back in the reservoir, you will want to check the values of the return solution's pH and EC/PPM. This will tell you how the plant has reacted to the solution given. Ideally, the pH and the EC/PPM will come back as close as possible to the original number. Adjust EC/PPM/pH of solution as needed. We recommend keeping what is called a flat nutrient schedule.

13. Wait 1-3 days, depending on pot size, and repeat.

**14. Your plants will drink readily and a topping-off of the reservoir is needed every 1-3 days, before flooding each time. Top-off your tank to the desired amount (your reservoir should only have enough water to flood the containers to 25% of the height of the container used) and adjust EC/PPM and pH to the flat schedule (pH 5.6-6.0 and an EC of 1.000 plus the water's EC).**

WATER EVERY 1-3 DAYS, depending on pot size, 1 hour after the lights have come on.

Never let the containers dry out. If they get dry, the EC/PPM will rise to dangerous levels and the plant will be damaged.

If you follow these instructions, you will have a repeatable, successful growing experience.



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