



# Nutriculture Gro-Tank

## Set-Up Instructions

Nutrient Film Technique (NFT) is a wonderful way of growing hydroponically. NFT is uniquely simple. It involves a shallow film of nutrient solution (nutrient & water) constantly recirculating past the roots of your plants. Nutrient solution is pumped from a tank to the channel, over the plant roots and back into the tank. We sell the Nutriculture Gro-Tank and Multi-Duct systems. Below are the instructions for the GT205, GT424, GT604 and GT901.

### SETTING UP YOUR GRO-TANK (GT)

1. Place your Gro-Tank on a Level Surface.
2. Place the channel onto the nutrient tank, with the access opening at the same end as the triangular ledges. The triangular edges is the solution max indicator.
3. Fix the channel and tank together using the nuts and bolts provided.  
(If using a GT205 the channel rests on the tank so there is no need for nuts and bolts).
4. Fill your nutrient tank 24 hour before transplanting. This allows the water temperature to rise to room temperature and allows the chlorine to escape from tap water.
5. If the water temperature is below 17°C use a [water heater](#) to bring it above 18°C.
6. Push the wide end of the delivery tube into the pump outlet. Place the black air-line tube onto the outside of the impellor shaft.
7. Place the pump in the tank and shake to remove any air bubbles.
8. Next fix the pump to the nutrient tank using the rubber suckers.
9. Put the narrow end of the delivery tube through the hole in the tray and place the black air-line and valve outside of the tank.
10. The valve can be adjusted by turning the top clock-wise to close and anti-clockwise to open. It is recommended to be used fully open.
11. Place 1 layer of spreader mat onto the channel. The spreader mat will spread nutrient solution along the channel.
12. Overhang the spreader mat slightly into the tank.
13. Connect the pump to the mains supply or timer now and switch on. Water should start flowing along the channel, soaking the spreader mat.
14. You may need to press the spreader mat onto the channel to ensure that it becomes soaked.
15. If you need to adjust the flow rate of the tank, slide the vent on the side of the pump.
16. Now turn off the pump until after you have transplanted your plants.
17. Cut holes into your Corex cover where you want your plants to go. DO NOT throw away the cut outs.
18. Your plants like their roots to run together in NFT. If you have the space train the stems away from each other.

19. Put the corex cover into position.
20. If in a [GT205](#) you can simply just place the corex cover over the system, otherwise use the adhesive pads.
21. Insert your plants into your [NFT system](#).
22. Make a smaller hole in your corex cut out big enough to place other your plant. This can then be used as your block cover.

A question we often get asked is when the plants should go into the GT. The answer to this is short and sweet. You put your plants in your GT system when you get a number of white roots coming out of your rockwool/medium. If you put your plants in too early the roots will become saturated with no access to oxygen and will die back.

For any further hydroponic help/advice please feel free to visit one of our stores today, or visit our website [www.3ch.co.uk](http://www.3ch.co.uk)