Hydroponic

Project	Hydroponic
Description	Building and maintaining a hydroponic installation for our gardening nerds ;)
Type	Drip Recovery
Status	Discontinued → Successful results
Funding	[100%] of 185€
Contact	virii
Participants:	virii

What does it grow?

Currently: Fatalii yellow
In the Past: Lemon Drop Chili

Progress and Status

Material

- Spundfass / Deckelfass 30 Liter
- Luftausströmer
- Aquariumpumpe 800l/h
- Hi-Tech Aero-Kit Membranpumpe & Schlauch
- 24 Hours Plug in Timer
- UFO Led Pflanzenlampe 138w (46*3w) mit IR UV Ray
- Gardena 1399-20 Micro-Drip-System Start-Set
- Super-root Air-pot 3L
- Pixnor Portable LCD-Display Digital TDS Wasser Qualität Tester Pen
- PH meter
- Perlite Perligran Premium
- pH Down
- pH Up
- Compo Hakaphos spezial 16+8+22
- Dehumidifier

Building

- Carve nearly all of the lid off in order to stuck the Air-Pot in it.
- Drill a hole into the barrel which should just be big enough to get the hoses trough.
- Connect the corresponding hoses with the air pump, water pump.
- Put the perlite in the Air-Pot.
- Connect the hoses of the micro drip system on Air-Pot.
- Flood the perlite with water. (This will remove all the dirt which would block up the water pump)
- Throw the dirt water away.

- Plant your seedling.
- Position your UV lamp approx. 20cm over your seedling.
- Use a plug-in-timer to start your Hydroponic construction. Your Hydroponic should run at least for 12 hours straight.
- Dehumidifier is a must if you can't open windows in your room.

PH

Optimal PH level for growing chilies lies between 5,2 - 5,6.

EC

Optimal EC level lies between 600-800 µs/cm for seedlings.
After a month you can go up to 1300-1500 µs/cm.

Pictures

First version

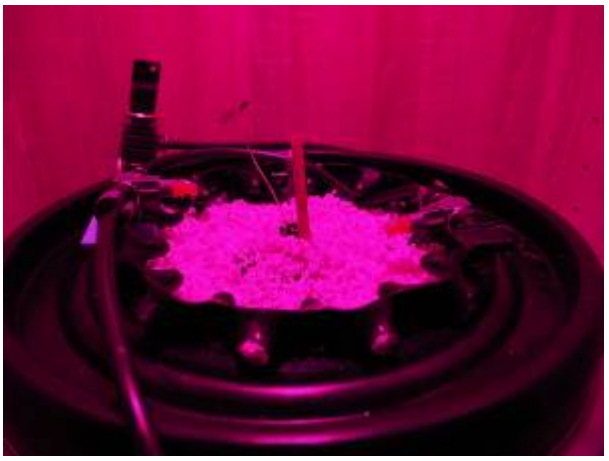




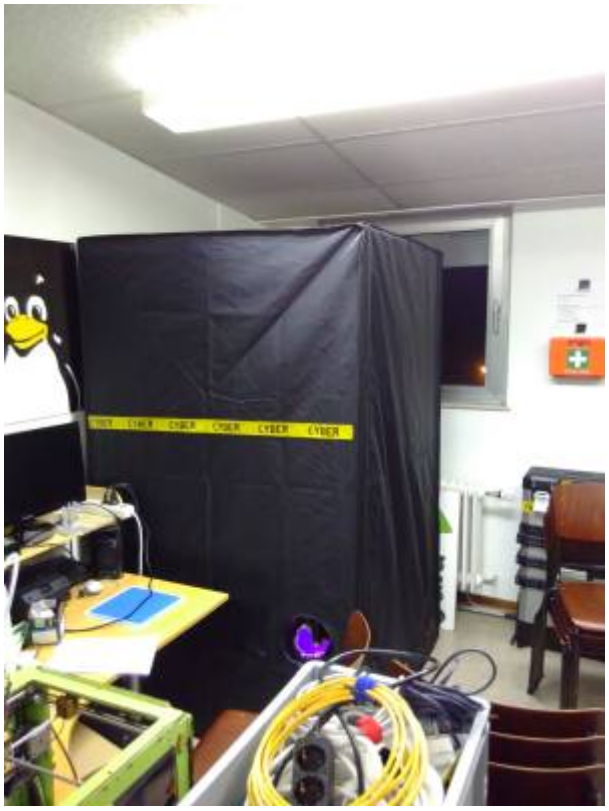








Second version







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