Grow Kit Manual

Product: Substrate Grow Kit
Description: A substrate growkit ready for the activation and growing process.
Audience: beginner-level customers with or without prior growing experience.

Components Included:

- Substrate growkit
- Filter bag with sealing sticker

Step-by-Step Instructions:

Step 1: Preparation

Inspection:
- Inspect the growkit for contamination:
  - **Safe colors:** White, yellowish-white mycelium.
  - **Unsafe colors (contamination):** Green, black, red, pink.
- Inspect the box to make sure it is intact.
- If contamination is present or the box is broken, **do not activate.** Contact our customer support immediately as contaminated products cannot be saved.

Disinfection:

- Thoroughly clean your workspace, hands and forearms with antibacterial soap and disinfectant spray. If you have long hair, it is recommended to tie it up. You could use sterile gloves and a face mask for added sterility.
- Work in a low-draft and completely clean environment.

Step 2: Hydration

- Open one side of the lid, fill the kit with drinkable water and close the lid.
- Place the growkit in the fridge for 9-24 hours to soak. The duration depends on the size of the kit and how warm the climate in your home is.

Step 3: Activation

- Repeat the disinfection steps of step 1.
- Open the lid in one corner and carefully drain excess water.
- Add approx. 150 ml of drinkable water directly into the grow bag provided.
- Place the growkit inside the grow bag.
- Remove the lid from the growkit (do not discard the lid, you'll need it later).
- Spray water on the insides of the bag to increase the humidity.
- Fold the top of the bag neatly and seal it using the provided sticker. Ensure the bag is puffed up when sealed, containing **a lot of fresh air**.
- Place the growkit in a **bright** location with **indirect** sunlight.
- Maintain a **constant temperature between 23–27°C** (never exceed 27°C).

Step 4: Fruiting

- If there is little to no condensation within the grow bag, open it up, spray water on the insides of the bag and re-seal it.
- When the first pins appear, do not spray anymore water. Instead, introduce fresh air by opening the bag, gently squeezing out old air (CO_2) and allowing fresh air (O_2) into the bag and re-seal it puffed up. Repeat this 1–3 times daily.

Step 5: Harvesting

- Repeat the disinfectant steps of step 1.
- Harvest the mushrooms before the caps completely open to prevent spore release.
- Gently twist and pull off the mushrooms from the substrate.

Step 6: Second Flush

- Repeat steps 2-5 and make sure to disinfect the lid before using it to close the kit.

Tips & Tricks:

- Indirect sunlight, temperatures between 24-27 degrees and fresh air are all essential for the mushrooms to grow well.
- If indirect sunlight cannot be achieved, use our grow light instead.
- If constant temperature cannot be achieved, use our heat mats instead.
- To easily maintain a stable microclimate, use our Mondotub.
- Harvest the mushroom before the caps completely open up and drop spores. This can cause a mess inside the grow bag and inhibit future growth.

Cautions

- Neglecting to properly disinfect your hands, surfaces and any tools used may lead to contamination. Contaminated products cannot be saved.
- Avoid direct sunlight and too hot environments as this heat will dehydrate and kill your mycelium which will inhibit mushroom growth.
- Typically, growkits can yield multiple flushes with tentative proper care but we recommend no more than a second flush for safety reasons.

Troubleshooting Quick Reference:

- **Slow growth or no growth:** Check temperature, humidity, and ensure sufficient fresh air exchange.
- **Mushroom deformation:** Typically caused by insufficient air exchange or overly humid conditions.
- **Pins form but don't mature:** Increase fresh air exchange and light**:** Increase fresh air exchange and verify room temperature.
- **Mold or unusual colors:** Discard immediately if contamination is visible and sanitize the area.

Customer Support:

For assistance, please contact our customer support team: contact page here