

# MICRO-GARDEN

Planting Station for Microgreens



**DENK**



## Micro-Garden Planting Station

Microgreens are packed with power. Not only do the seedlings grow quickly, they also taste great and are rich in nutrients. The *Micro-Garden* is the perfect planting station that lets you grow your own seedlings easily and decoratively on your windowsill.

Microgreens are typically grown on soil, coconut coir, or hemp mats. These substrates are single-use only and must be disposed of after cultivation. Our patented Porosium<sup>®</sup> planting stone serves as a reusable growing medium for your microgreens. It draws water from its surroundings to its surface, thus nourishing the seedlings. After cultivation, it can be easily cleaned and is ready for the next use.

The *Micro-Garden XL* features two planting stones with three times the planting area.

# Germination

Spread the seeds evenly over the planting stone and place it in the tray. Then fill the tray with water up to the top edge of the planting stone. The stone will now soak up water until about half of it is submerged. The porous ceramic transports the water to the seeds. They remain moist but not soggy, which provides ideal germination conditions. For germination, the seeds also require high humidity and darkness.

If you have the *Micro-Garden Set*, cover the filled tray with the second tray. For the single-item version, cover the tray with, for example, the matching harvest plate. Place everything in a warm location (18°–20°C). Germination time varies depending on the seed variety. Starting on the second day, check regularly to see if the seeds have already germinated.

# Growth

When the seedlings are about 2 cm tall, the plants need sunlight. We recommend a windowsill or another bright spot as a location. With the microgarden set, swap the lower tray with the upper one. In the lower tray, you can repeat the germination process while the seedlings in the upper tray are already growing. This allows for a continuous growing cycle. Once the seeds in the lower tray have also germinated, you can place both trays separately. For the individual item, simply remove the cover.



# Harvesting

The microgreens can be harvested as soon as the first true leaf pairs have formed after the cotyledons, which takes about 5–20 days depending on the variety and growing conditions. Cut the seedlings just above the root.

# Cleaning

The growing tray is easy to clean. Pull the roots off the surface; any residue can be removed with a soft brush.

To disinfect it, place the stone in boiling water for about 3 minutes or in the oven at temperatures above 100°C for 10 minutes.

The planting stone is then ready for reuse. The tray can be washed by hand with dish soap or in the dishwasher.

# Preparing the Planting Stone

All tap water contains lime, which will clog the fine pores of the planting stone over time. Therefore, after a few uses, the stone should be descaled with standard citric acid.

Dissolve some citric acid in hot water and soak the stone for a few hours. Afterward, the stone must be rinsed with clean water. Citric acid is harmless; it is a component of many foods.

Since it is also a natural bleach, any discoloration of the stone caused by its use is significantly reduced. Use eco-friendly oxygen bleach from the drugstore to remove stains almost completely. The stone should still be thoroughly rinsed with clean water after use.



## Care & Instructions

- Make sure the plant stone doesn't dry out; top it off with water regularly.
- For hygiene reasons, the water should be completely changed every 2–3 days. To do this, simply remove the plant stone from the tray and fill it with fresh water.
- Once a root mat has formed and the seedlings are stable, you can also rinse the roots under gently running water.
- If you sow the seeds very densely, with some varieties it may happen in the first few days that the seedlings lift each other up as they grow and individual roots lose contact with the planting stone. Press the plant mat lightly with the flat of your hand to re-establish contact between the stone and the roots; this will not harm the seedlings.
- The seedlings should be washed before consumption.
- Condensation may form under the tray. Therefore, do not place the tray on surfaces that are sensitive to scratches or moisture, or use a suitable mat.
- Use only seeds intended for growing microgreens. These seeds are free of contaminants and bacteria.
- During the dark months with short light cycles, you can support your plants with a grow light.

# Accessories



## Harvest Plate

With the matching *Harvest plate*, you can cover the tray to keep it dark during the germination phase. Once the microgreens have reached the desired size, the plate can be used for harvesting.

## Wool Coasters

These soft *Coasters* are both decorative and highly practical. They prevent scratches on delicate surfaces, while also protecting the surface from condensation that can form on the bottom of the bowl. The main advantage over felt is that our material is machine-washable.



## Organic Seeds 250g or Seed Set

The various microgreens offer a wide range of interesting flavors, such as mild, refreshing, spicy, or sweet. The seeds are non-GMO. They can be grown as single varieties or as a mix. The contents of our seed set are sufficient for approximately 8 sowings and include 8 different varieties of microgreens: Radish Rosé, alfalfa, arugula, cress, daikon radish, mustard, brokkoletti, and red mizuna.

Natural, durable materials

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Respect for people  
and nature

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