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> VIVOSUN 40-Cell Seed Starter Kit with LED Lights and Heat Mat Instruction Manual

VIVOSUN 1-Pack 40-Cell Trays with Lamps and Heat Mat

VIVOSUN 40-Cell Seed Starter Kit Instruction Manual

Model: 1-Pack 40-Cell Trays with Lamps and Heat Mat

Brand: VIVOSUN

INTRODUCTION

Thank you for choosing the VIVOSUN 40-Cell Seed Starter Kit. This comprehensive kit is designed to provide an optimal environment for germinating seeds and nurturing seedlings, ensuring a successful start for your plants. Please read this manual carefully before use to ensure proper setup and operation.



Image: The VIVOSUN 40-Cell Seed Starter Kit, featuring the clear dome, LED lights, 40-cell tray, and seedling heat mat.

COMPONENTS INCLUDED

Your VIVOSUN 40-Cell Seed Starter Kit includes the following:

- 1 x Humidity Dome (3.6" Higher Cover with Adjustable Vents)
- 1 x 40-Cell Seed Tray
- 1 x Base Tray
- 1 x Seedling Heat Mat (10"x20.75")
- 1 x Temperature Controller for Heat Mat
- 1 Set x LED Grow Light Bars
- 1 x LED Light Controller (with dimming and timing functions)
- 10 x Garden Labels
- 1 x Garden Tool Kit (for planting)

Specifications

Name: Seed Starter Trays Kits

Included: Trays + LED Lamps + Heat Mat

Material: PET, PP

Dimensions: 15.2" x 10.1" x 5.6"

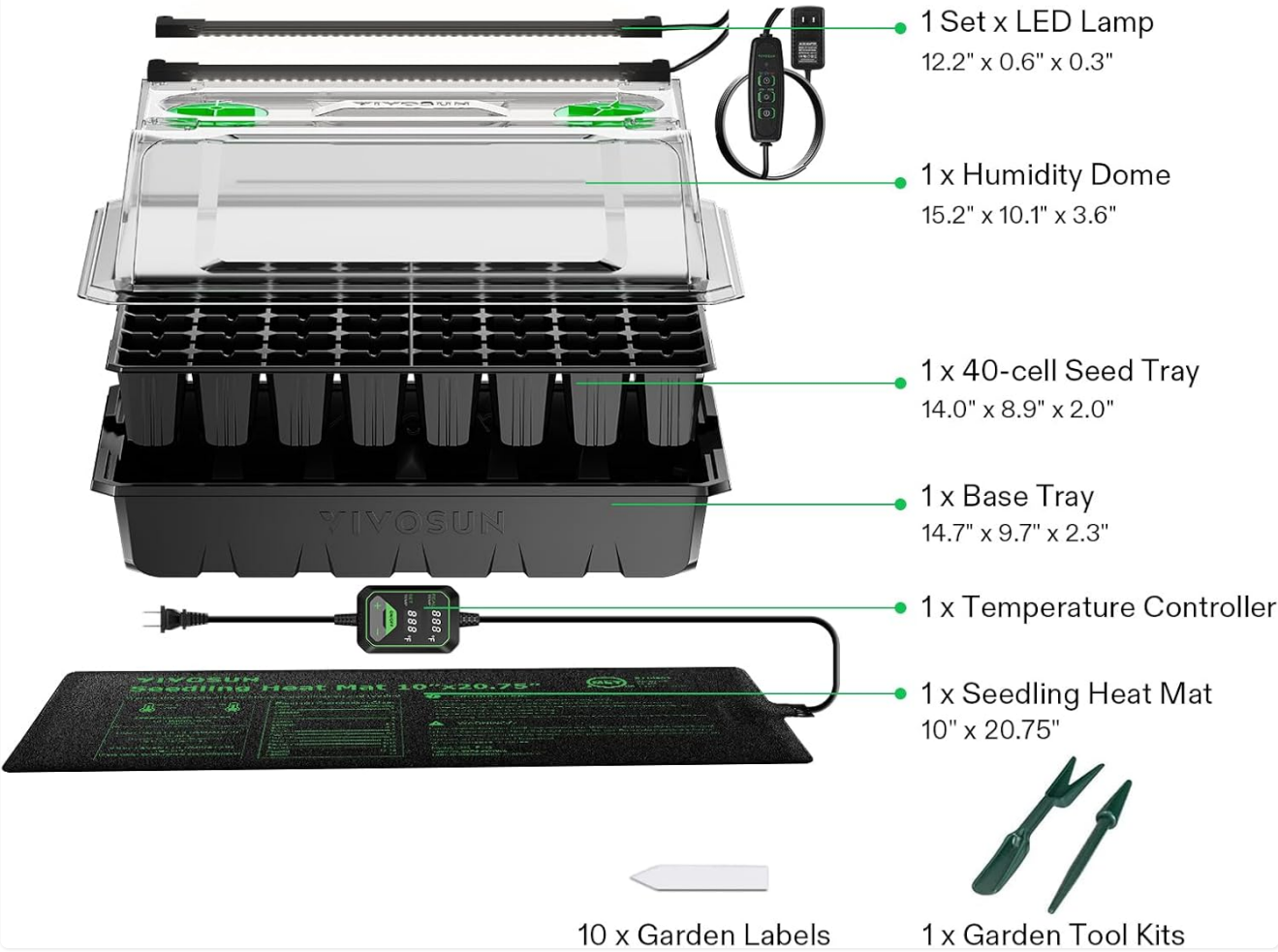


Image: A detailed diagram illustrating all components included in the VIVOSUN Seed Starter Kit, such as the humidity dome, seed tray, base tray, heat mat, controllers, LED lights, and gardening tools.

SETUP INSTRUCTIONS

1. **Place the Seedling Heat Mat:** Position the 10"x20.75" seedling heat mat on a flat, stable surface. Ensure it is on an insulated surface rather than a cold floor to maintain consistent temperatures.
2. **Assemble the Trays:** Place the 40-cell seed tray inside the base tray.
3. **Prepare Growing Medium:** Moisten your preferred growing medium (soil or rockwool cubes) thoroughly before adding it to the 40-cell tray. Ensure the medium is damp but not waterlogged.
4. **Plant Seeds:** Use the provided garden tool kit to create small holes in the center of each cell. Place 1-2 seeds per cell, then gently cover them with a thin layer of growing medium.
5. **Attach LED Lights:** Secure the LED light bars to the designated slots on the clear humidity dome. Connect the LED light controller to the lights and a power source.
6. **Place Humidity Dome:** Position the clear humidity dome over the 40-cell tray. Ensure the dome fits securely.
7. **Connect Heat Mat Controller:** Plug the seedling heat mat into the temperature controller, and then plug the controller into a 120V power source.

Precise Regulation, Better Plant Growth

- Controller for precise temperature regulation
- 3 times setting is more convenient to operate
- 4 dimming level for better plant growth



Image: The VIVOSUN Seed Starter Kit fully assembled, showing the clear dome with LED lights, the 40-cell tray, and the heat mat with its temperature controller.

Video: An official VIVOSUN demonstration showing the setup and features of the 40-Cell Trays Set with LED Lamps & Heat Mat.

OPERATING INSTRUCTIONS

Temperature Control (Heat Mat)

- The dual digital display on the thermostat shows both the real-time temperature and your set temperature.
- Use the '+' and '-' buttons to set the desired temperature for your seeds. Refer to your seed packet for optimal germination temperatures. The heat mat is compatible with temperatures from 0 to 120°F.
- The thermostat will automatically regulate the heat mat to maintain the set temperature.



Image: Close-up of the VIVOSUN Seedling Heat Mat controller, displaying real-time and set temperatures, highlighting its dual digital display and waterproof surface.

LED Grow Light Operation

- **Dimming Levels:** The LED light controller offers 4 dimming levels (100%, 75%, 50%, 25%) to adjust light

intensity according to your plants' needs.

- **Timing Settings:** Choose from 3 timing settings: 8 hours on/16 hours off, 12 hours on/12 hours off, or 18 hours on/6 hours off. Select the appropriate cycle for your specific plant type.
- The LED light bars provide additional light to promote stronger plant growth.

LED Grow Light Bars

for 40-Tray Seedling Starter

- Color Temp: 5000K

- Power: 12W/C

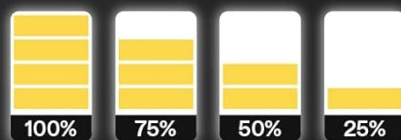
- Input Vol: 12V

- Certificate: UL



4 Dimming Level

Different brightness can promote plant growth



3 Timming Setting



8-hour on
16-hour off



12-hour on
12-hour off



18-hours on
6-hour off

Image: The LED Grow Light Bars and their controller, illustrating the 4 dimming levels and 3 timing settings for customized plant growth.

Humidity Control (Adjustable Vents)

- The clear dome includes two adjustable air vents.
- For initial germination, keep the vents closed to build up humidity.
- As seedlings grow, gradually open the vents to control humidity and temperature, preventing excessive moisture and promoting air circulation.

3.6" Higher Cover

Seedlings can have more space to grow and become stronger



Adjustable Vents

Two adjustable air vents help control humidity and temperature to keep your plants on the right track



Image: The 3.6-inch higher cover of the VIVOSUN Seed Starter Kit, showing the adjustable vents that allow for humidity and temperature control.

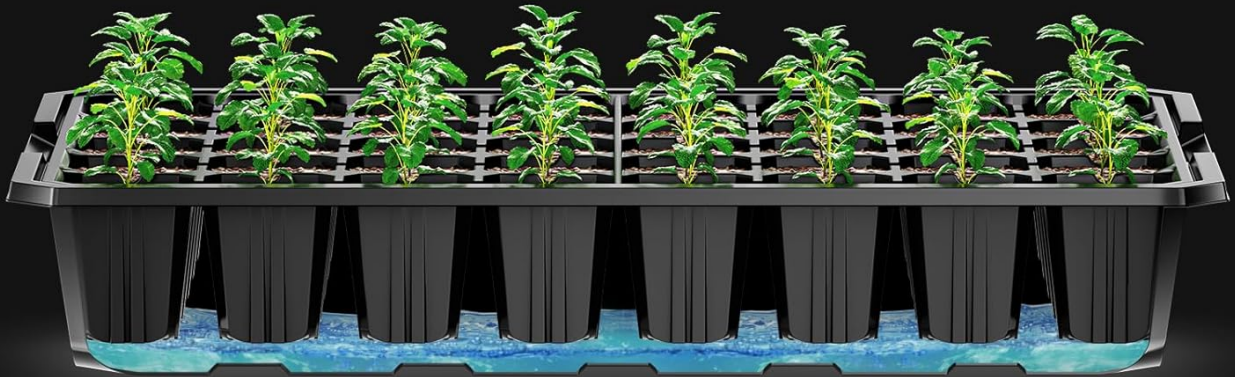
Watering and Fertilization

- The base tray allows for bottom watering, which is beneficial for seedlings as it encourages root growth.
- The 40-cell tray features drainage holes to prevent overwatering.
- Fertilize seedlings only after they have developed their first set of true leaves.

Designed Seed Trays

40 cells mean more efficient seed-starting

Black bottom is good for promoting plant root growth



Drainage holes keep your seedlings from being overwatered



Protect Root



Efficient

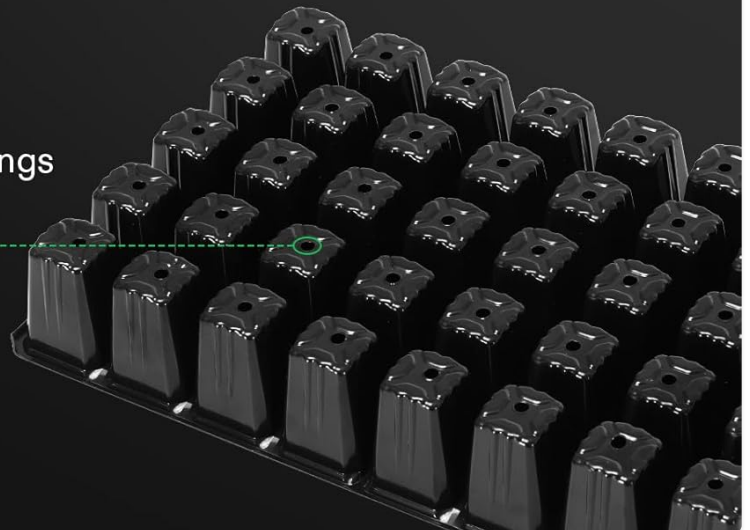


Image: Close-up of the VIVOSUN 40-Cell Seed Tray, highlighting the individual cells and drainage holes designed to prevent overwatering and promote healthy root development.

MAINTENANCE

- **Cleaning:** After each use, clean the trays and dome with mild soap and water. Ensure all components are dry before storing.
- **Storage:** Store the kit in a cool, dry place away from direct sunlight when not in use.
- **Inspection:** Regularly inspect the heat mat and electrical components for any signs of damage. Discontinue use if any damage is observed.

TROUBLESHOOTING

- **No Germination:** Ensure the heat mat is set to the correct temperature for your specific seeds. Check seed viability and planting depth.
- **Leggy Seedlings:** This indicates insufficient light. Increase the LED light intensity or duration.
- **Mold/Damping-Off:** Reduce humidity by opening the adjustable vents. Ensure good air circulation and avoid

overwatering.

- **Heat Mat Not Heating:** Verify that the temperature controller is properly plugged in and set to a temperature higher than the ambient room temperature. Check for any visible damage to the mat or controller.

SPECIFICATIONS

Feature	Detail
Material	Polypropylene (PP)
Color	Black
Item Dimensions (L x W x H)	15.2" x 10.1" x 5.7"
Number of Cells	40
Heat Mat Temperature Range	0 to 120°F (32-122°F on controller)
LED Light Color Temp	5000K
LED Light Input Voltage	12V
LED Light Power	12W/C
Special Features	Drainage Holes, Adjustable Vents, 3.6" Higher Cover, Dual Digital Display Thermostat

WARRANTY AND SUPPORT

VIVOSUN products are designed for quality and durability. For warranty information, technical support, or any questions regarding your Seed Starter Kit, please refer to the contact information provided with your product packaging or visit the official VIVOSUN website. Keep your purchase receipt for warranty claims.