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moistenland B07ZCVTTRS

moistenland Hydroponics Growing System User Manual

Model: B07ZCVTTRS

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your moistureland Hydroponics Growing System. Designed for indoor use, this system allows you to cultivate herbs, vegetables, and flowers year-round without soil.

PRODUCT COMPONENTS

Your moistureland Hydroponics Growing System includes the following main components:



Figure 1: Exploded view of the moistureland Hydroponics Growing System, detailing the Grow LED Light Panel, Ventilation Fan, Adjustable Post, Grow Deck (12 pods), Water Refill Port, Water Tank, and Water Level indicator.

- **Grow LED Light Panel:** Provides full spectrum light for plant growth.
- **Ventilation Fan:** Integrated into the light panel for air circulation.
- **Adjustable Post:** Allows height adjustment of the LED light panel.
- **Grow Deck:** Holds 12 plant pods.
- **Water Tank:** Reservoir for water and nutrient solution (4L capacity).
- **Water Refill Port:** Convenient opening for adding water.
- **Water Level Indicator:** Transparent window to monitor water volume.
- **Plant Pods:** 12 biodegradable coco coir pods for planting.

SETUP INSTRUCTIONS

1. **Assemble the System:** Connect the adjustable post to the water tank base. Attach the LED grow light panel to the top of the adjustable post.

2. **Prepare Plant Pods:** Place seeds into the plant sponges. Insert the sponges into the plant baskets.
3. **Insert Plant Baskets:** Place the plant baskets with sponges into the holes on the Grow Deck.
4. **Add Water and Nutrients:** Fill the water tank with clean water up to the MAX line (4L capacity). Add appropriate nutrient solution according to the plant type and growth stage.
5. **Power On:** Plug in the power adapter. The system will automatically initiate its default lighting cycle.



Figure 2: Step-by-step guide for initial setup and planting.

OPERATING INSTRUCTIONS

LED Grow Light

The 23W LED grow light panel provides a full spectrum of light essential for plant growth. It operates on an automatic 24-hour cycle: 16 hours ON and 8 hours OFF. This cycle promotes rooting, sprouting, and overall growth.

Dual Growing Mode



Figure 3: The 22-watt full spectrum LED light system with automatic 16-hour ON/8-hour OFF timer.

Grow Modes

The system features two distinct grow modes:

- **Veggie Mode:** Enhances blue light to promote leafy growth for vegetables and herbs.
- **Fruit Mode:** Enhances red light to encourage flowering and fruiting for plants like tomatoes or strawberries.

Fans & Water Pump



Work for 30 minutes  Rest for 30 minutes



Fans



Water Pump

Figure 4: Select between Vegetable mode (blue light enhanced) and Flowers & Fruits mode (red light enhanced).

Water & Air Circulation System

A built-in fan in the light panel provides air circulation, mimicking natural breezes, which aids plant growth and reduces light heat. A quiet pump in the reservoir circulates water, ensuring even nutrient distribution and oxygenation for healthy root development. The pump and fan operate on a cycle of 30 minutes ON and 30 minutes OFF.

Fun and Easy Planting

Step 1 Installation Growing System



Step 2 Insert the seed pods

1. Put the seed into the Plant Sponges
2. Place into the Plant Baskets and then move into the plant hole of Grow Deck



Step 3 Add Water and Nutrient



Figure 5: The integrated air and water circulation systems work in 30-minute ON/OFF cycles.

Adjustable Height

As plants grow taller, the height of the LED light panel can be adjusted up to a maximum of 11.2 inches to accommodate their growth. This ensures optimal light exposure throughout the plant's life cycle.

Water and Nutrient Management

The water tank has a 4-liter capacity, designed to provide sufficient water for an extended period. Monitor the water level through the transparent indicator. Refill water and add nutrients as needed. The system includes two nutrient solutions (A and B) to support plant health.

Grow Fresh Herbs Vegetables Flowers Fruits



Fresh, All Year-Round!



Water Hole



Lush roots



Garden Indoors

Figure 6: The 4-liter water tank capacity allows for up to a month of watering, with a clear water level indicator.

MAINTENANCE

- **Water Refill:** Check the water level indicator regularly. Refill the tank when the water level drops below the minimum mark.
- **Nutrient Addition:** Add nutrient solutions A and B according to the plant's growth stage and water volume. Refer to the nutrient guide provided with your system for precise measurements.
- **Cleaning:** Periodically clean the water tank and pump to prevent algae buildup and ensure optimal system performance.

TROUBLESHOOTING

If you encounter issues with your moistureland Hydroponics Growing System, consider the following common solutions:

- **Slow Plant Growth:** Ensure adequate light exposure by adjusting the LED panel height. Verify correct nutrient concentration and water pH.

- **Algae Growth:** Algae can occur due to excessive light exposure to the water or high humidity. Ensure unused plant holes are covered to block light. Regularly clean the water tank.
- **Pump Malfunction:** If the water pump is not functioning, check for obstructions or impurities in the water. Clean the pump as per maintenance guidelines.
- **LED Lights Not Turning On:** Ensure the power adapter is securely connected. If the lights still do not activate, contact customer service.

SPECIFICATIONS

| Feature | Detail |
|----------------------|--------------------------|
| Brand | moistenland |
| Model | B07ZCVTTRS |
| Product Dimensions | 11.2"L x 7.9"W x 11.2"H |
| Item Weight | 4.4 pounds (2 Kilograms) |
| Light Source Wattage | 23 Watts |
| Water Tank Capacity | 4 Liters |
| Plant Pods | 12 |
| Frame Material | Metal |
| Inner Material | Mylar |

OFFICIAL PRODUCT VIDEO

Watch this official video from Moistenland for an overview of the Hydroponics Growing System:

Your browser does not support the video tag.

Video: Moistenland Hydroponics Growing System - Fresh All Year-Round. This video provides a visual guide to the product's features and benefits.

WARRANTY & SUPPORT

For any product inquiries, troubleshooting, or warranty claims, please contact moistenland customer service. Refer to the product packaging or the official moistenland website for the most up-to-date contact information.

Please note: Accessories do not include seeds and plants.