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Hydrofarm MTMDU

Hydrofarm MTMDU Commercial Heat Mat 60x21 Instruction Manual

Model: MTMDU | Brand: Hydrofarm

1. Product Overview

The Hydrofarm MTMDU Commercial Heat Mat is designed to enhance plant germination and rooting by providing consistent bottom heat. This heavy-duty, modular heat mat offers uniform warmth for a large number of seedlings or cuttings, making it an essential tool for maximizing your growing area.

- Warms the root area 10-20°F over ambient temperature to improve germination and increase the success rate of seedlings and cuttings.
- Features a 6-foot power cord and waterproof construction for durability and safety.
- Designed for daisy-chaining up to 5 units (one MTMDU Commercial Mat plus up to four MTMDA add-on units) to expand your heated growing space.
- Rugged and durable with waterproof connectors, compatible with a Digital Heat Mat Thermostat (MTPRTC, sold separately) for precise temperature control.
- Constructed with 50% thicker material compared to other brands for enhanced longevity.



Image: Hydrofarm MTMDU Commercial Heat Mat in use with various plant trays.

2. Setup Instructions

1. **Surface Preparation:** Place the heat mat on a well-drained, flat surface. Ensure there is no standing water on the surface.
2. **Insulation (Optional for Warmer Temperatures):** For optimal heat retention and to achieve warmer mat temperatures, place the mat on an insulated surface rather than directly on a cold floor.
3. **Humidity Control:** Covering your plant tray with a humidity cover or dome will help maintain consistent root area temperature and humidity, which is beneficial for better rooting.
4. **Power Connection:** Plug the mat into a standard 120-volt power source.
5. **Daisy-Chaining (Optional):** This commercial heat mat allows for daisy-chaining up to four additional MTMDA add-on units. Connect the waterproof connectors securely between units.
6. **Temperature Control (Recommended):** For precise temperature regulation, connect the heat mat to a Digital Heat Mat Thermostat (model MTPRTC, sold separately).



Image: Two Hydrofarm Commercial Heat Mats demonstrating daisy-chaining capability.



Image: Detail of the rugged, waterproof connector.

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Video: A brief demonstration of the heat mat's material and connector.

3. Operating Instructions

Once plugged in, the Hydrofarm MTMDU Heat Mat will begin to warm the rooting area. The mat is designed to consistently raise the soil temperature 10-20°F above the ambient air temperature, creating an ideal environment for seed germination and root development.

- **Temperature Range:** The optimal temperature range for most seed germination is typically between 70-85°F (21-29°C).
- **Monitoring:** Regularly check the soil temperature using a thermometer, especially if not using a separate thermostat.
- **Planting Information:** The mat includes printed guidelines for various plant types, offering approximate germination times and ideal temperatures. Refer to these guidelines for best results.



Image: A single tray of seedlings placed on the Hydrofarm MTMDU Heat Mat.

4. Maintenance

- **Cleaning:** The heat mat is waterproof and can be cleaned by hand washing. Do not immerse the mat in water. Use a damp cloth to wipe down the surface.
- **Storage:** When not in use, ensure the mat is clean and dry before storing. Store flat or loosely rolled to prevent damage.
- **Inspection:** Periodically inspect the mat and power cord for any signs of wear, damage, or fraying. Discontinue use if any damage is found.
- **Surface Protection:** Ensure the surface under the mat is free of sharp points or objects that could puncture the mat.

5. Troubleshooting

- **Mat Not Heating:** Ensure the power cord is securely plugged into a functional 120-volt outlet. Check for any visible damage to the cord or mat.
- **Inconsistent Temperature:** Verify that the mat is placed on an insulated surface, especially if the ambient temperature is low. Consider using a Digital Heat Mat Thermostat (MTPRTC, sold separately) for precise temperature control.
- **Poor Germination Rates:** Ensure proper watering and humidity levels. Refer to the planting information printed on the mat for ideal temperature ranges for your specific seeds.

6. Specifications

- **Brand:** Hydrofarm
- **Model Number:** MTMDU
- **Color:** Black
- **Style:** Heat Mat Commercial
- **Special Feature:** Waterproof

- **Product Dimensions:** 22.1 x 4.5 x 4.2 inches
- **Item Weight:** 4.5 Pounds
- **Unit Count:** 8.75 Square Feet
- **Power Cord Length:** 6 feet
- **UPC:** 638104010078
- **GTIN:** 638104010078

7. Warranty and Support

For warranty information, product support, or to inquire about replacement parts, please contact Hydrofarm customer service directly. Refer to the product packaging or the official Hydrofarm website for the most up-to-date contact details and warranty policies.

Manufacturer: Hydrofarm

Visit the Hydrofarm Store: Hydrofarm Store on Amazon

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