Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Hydrofarm MTMDA

Hydrofarm JUMP START Commercial Seedling Heat Mat Modular Add-on User Manual

Model: MTMDA

Product Overview

The Hydrofarm JUMP START Commercial Seedling Heat Mat Modular Add-on (MTMDA) is designed to provide consistent, gentle heat to the rooting area of seedlings, promoting faster germination and stronger root development. This 60" x 21" mat is an add-on unit, requiring the main MTMDU Commercial Heat Mat (sold separately) for power. It features a rugged, durable construction with waterproof connectors, making it suitable for various horticultural applications. Up to four of these modular add-on units can be daisy-chained to a single MTMDU unit, allowing for expansion of your heated growing area.



Figure 1: Hydrofarm JUMP START Commercial Seedling Heat Mat Modular Add-on.

Safety Information

- This product is **UL Listed**, ensuring it meets recognized safety standards.
- To prevent fire or electric shock, ensure the surface under the mat is free of sharp points or objects that could puncture the mat.
- Do not place any heat insulating materials directly over the heating mat, as this may cause overheating.
- **DO NOT IMMERSE IN WATER.** The mat features waterproof connectors, but the mat itself should not be submerged.
- Always plug the mat into a 120-volt power source.

Setup Instructions

1. **Prepare the Surface:** Place the heat mat on a well-drained, flat surface. Avoid cold floors or surfaces that may draw

heat away from the mat. For optimal performance and warmer mat temperatures, place the mat on an insulating surface.

2. **Connect to Power Unit:** This MTMDA unit is a modular add-on and requires the JUMP START MTMDU Commercial Heat Mat (sold separately) to function as a power source. Connect the MTMDA unit to the MTMDU unit using the provided waterproof connectors.
3. **Expand Your Setup (Optional):** You can daisy-chain up to four additional MTMDA modular add-on units to a single MTMDU power unit, for a total of five mats. Ensure all connections are secure and waterproof.
4. **Position Plant Trays:** Place your plant trays or seed starting flats directly on the heat mat.
5. **Plug In:** Once all connections are secure and trays are in place, plug the main MTMDU unit into a standard 120-volt power outlet.



Figure 2: Close-up of the durable, waterproof connector.

Figure 3: Illustration of daisy-chaining multiple modular heat mats.

Operating Instructions

The JUMP START Commercial Seedling Heat Mat is designed to raise the rooting area temperature approximately 10-20°F above the ambient air temperature. This elevated temperature is crucial for successful seed germination and rooting.

- **Temperature Control:** For precise temperature control, especially for specific plant types, it is recommended to use a compatible thermostat (sold separately) with your heat mat.
- **Humidity Management:** Covering your plant trays with a humidity dome or cover will help maintain consistent root area warmth and humidity, further enhancing germination and rooting.
- **Optimal Germination Temperatures:** Refer to seed packet instructions for ideal germination temperatures. The mat helps achieve the necessary warmth for most common seeds.



Figure 4: Heat mat in operation with various plant trays.

Maintenance

- **Cleaning:** The mat can be cleaned by hand. Use a damp cloth to wipe down the surface. Do not use abrasive cleaners or immerse the mat in water.
- **Storage:** When not in use, ensure the mat is clean and dry. Store it flat or loosely rolled to prevent damage to the internal heating elements. Avoid folding sharply.
- **Inspection:** Periodically inspect the mat and power cord for any signs of wear, damage, or fraying. Discontinue use if any damage is observed.

Troubleshooting

- **Mat Not Heating:** Ensure the mat is properly connected to the MTMDU power unit and that the MTMDU unit is plugged into a live 120-volt outlet. Check for any visible damage to the mat or cord.
- **Insufficient Heat:** If the mat is not providing enough warmth, ensure it is placed on an insulating surface (not a cold floor) and that plant trays are covered with a humidity dome to retain heat and moisture. Ambient room temperature also affects the mat's performance.
- **Poor Germination:** While the mat provides optimal root zone temperatures, other factors like seed quality, moisture levels, and light exposure are critical for germination. Ensure these conditions are also met.

Specifications

Feature	Detail
Model Number	MTMDA
Dimensions	60" x 21"
Weight	5.7 Pounds
Color	Black
Material	Thermoplastic Elastomers
Power Requirement	Requires JUMP START MTMDU Commercial Heat Mat (120V)
Temperature Increase	10-20°F above ambient air temperature
Safety Certification	UL Listed
Daisy-Chain Capability	Up to 4 MTMDA units per MTMDU unit

Warranty and Support

Specific warranty details for the Hydrofarm JUMP START Commercial Seedling Heat Mat Modular Add-on (MTMDA) are not provided in this manual. Please refer to the product packaging or the official Hydrofarm website (www.hydrofarm.com) for the most current warranty information and customer support contacts.

© 2023 Hydrofarm. All rights reserved.
For further assistance, please visit Hydrofarm Support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0055F3RAA

More documents and user manuals: **https://manuals.plus/**