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Spider Farmer 3-in-1 Grow System

User Manual: 6L Humidifier & 3-Tier Plant Shelf

Introduction

Thank you for choosing the Spider Farmer 3-in-1 Grow System. This comprehensive unit combines a robust 3-tier metal plant shelf with a high-capacity 6L humidifier, designed to create an optimal environment for your indoor plants. This manual provides detailed instructions for assembly, operation, maintenance, and troubleshooting to ensure you get the most out of your product.



Image: The complete Spider Farmer 3-in-1 Grow System, featuring the black 6L humidifier on the left and the 3-tier metal plant shelf on the right, both designed for indoor plant cultivation.

Product Overview & Components

Product Overview & Components

The Spider Farmer Grow System consists of two main parts: a durable metal plant shelf and a versatile 6L humidifier. Familiarize yourself with all components before assembly.

Plant Shelf Components:



Image: A detailed diagram illustrating the parts list for the Spider Farmer plant shelf, including casters, waterproof trays, support shelves, top shelf, top plate, vertical bars, caster inserts, screws, and an Allen key. Dimensions of the assembled shelf are also shown.

- **Casters:** 4 industrial lockable wheels for mobility and stability.
- **Waterproof Trays:** 3 watertight trays (no drainage holes) for each tier, highly resistant to decay.
- **Support Shelves:** 3 main support shelves for plant placement.
- **Top Shelf:** The uppermost shelf of the unit.
- **Top Plate:** A removable top plate providing a fourth tier for additional storage (weight capacity 26.5 lbs).
- **Vertical Bars:** 12 bars forming the vertical structure of the shelf.
- **Caster Inserts:** Components for attaching the casters.
- **Screws:** 42 stainless steel screws for assembly.
- **Allen Key:** 1 included for assembly.

The shelf frame is constructed from high-intense premium iron with a durable powder coat finish, ensuring moisture-proof and rust-resistant performance. Each shelf can support up to 55 lbs.

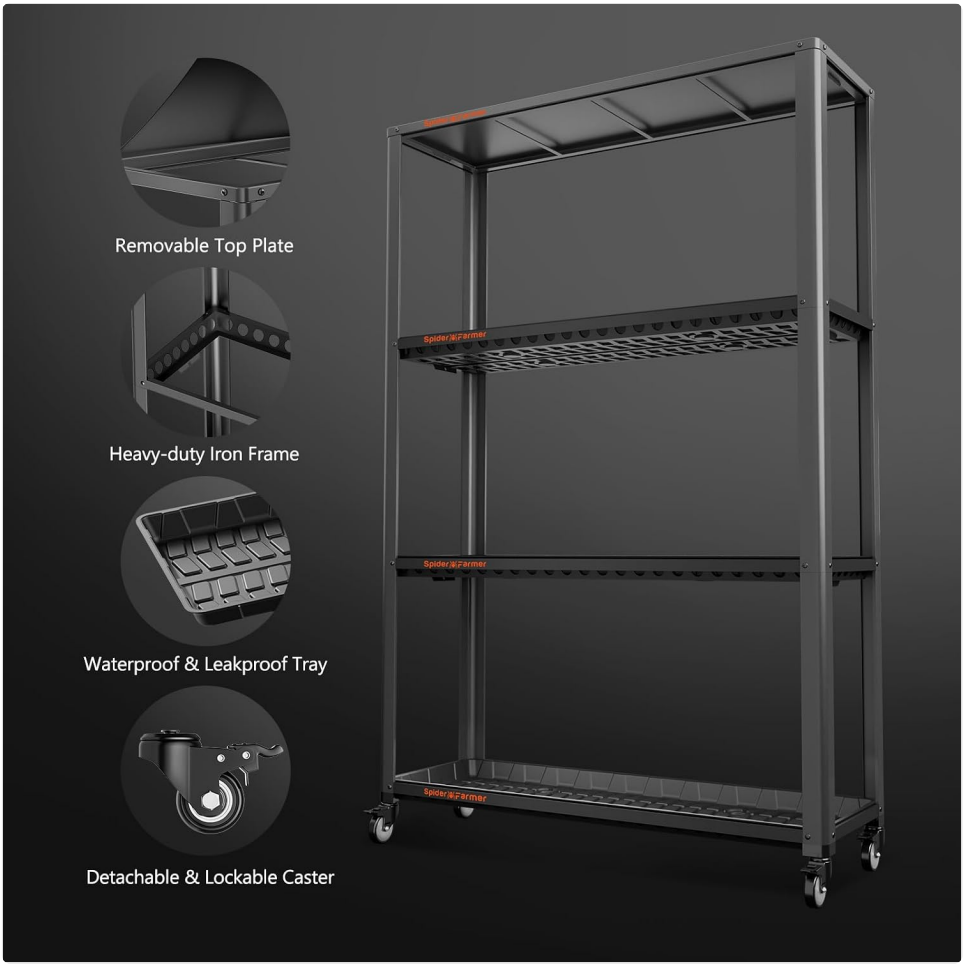


Image: A visual breakdown of the Spider Farmer plant shelf's key features, highlighting the removable top plate, heavy-duty iron frame, waterproof and leakproof trays, and detachable, lockable casters.

Humidifier Components:

- 6L Water Tank: Large capacity for extended operation.
- Mist Outlet: Top-mounted for efficient mist dispersion.
- Control Panel: Digital LED display with touch controls for power, humidity, mist level, and timer.
- Hygrometer: Built-in for accurate humidity monitoring.
- Hose and Y-connector: For directing mist to multiple areas.

Setup and Assembly

Plant Shelf Assembly:

1. **Unpack Components:** Carefully remove all parts from the packaging and verify against the parts list (refer to PT04 image).
2. **Attach Casters:** Insert the caster inserts into the bottom of the vertical bars. Then, screw the 4 casters into the inserts. Ensure they are securely tightened.
3. **Assemble Frame:** Begin by connecting the vertical bars using the support shelves. Use the provided screws and Allen key to secure all connections. Follow the diagram in PT04 for correct orientation.
4. **Install Shelves:** Once the frame is stable, place the three support shelves onto their designated tiers.
5. **Add Top Plate:** Place the removable top plate on the uppermost tier.
6. **Insert Trays:** Place the waterproof trays onto each of the three main support shelves.
7. **Lock Wheels:** Once the shelf is in its desired location, engage the locks on the casters to prevent movement.

Humidifier Initial Setup:

1. **Placement:** Place the humidifier on a flat, stable surface, away from direct sunlight or heat sources. Ensure it is not placed directly on the plant shelf if water spillage could damage electrical components.
2. **Fill Water Tank:** Remove the top cover and fill the 6L tank with clean, cool tap water. Do not exceed the MAX fill line. The top-fill design makes this process convenient.
3. **Connect Hose (Optional):** If using the hose and Y-connector for directed mist, attach them securely to the mist outlet.
4. **Power Connection:** Plug the power cord into a standard electrical outlet.



Image: A visual guide demonstrating the humidifier's convenient top-fill design for easy water replenishment and its simple structure for effortless cleaning.

Operating Instructions (Humidifier)

The humidifier features an intuitive LED digital control panel for easy adjustments.



Image: A detailed close-up of the humidifier's LED digital control panel, highlighting the On/Off button, Humidity setting (35%-95% range), Mist level adjustment (4 levels), and 12-hour Timer setting. It also indicates the 'Lack of Water Auto Shut-off' feature.

- **Power On/Off:** Press the **On/Off** button to turn the humidifier on or off.
- **Humidity Control:** Press the **Humidity** button to adjust the desired humidity level from 35% to 95% in 5% intervals. The built-in hygrometer will display the current humidity.
- **Mist Level Adjustment:** Press the **Mist** button to cycle through 4 adjustable mist levels. The maximum mist output is 450 ml/h.
- **Timer Setting:** Press the **Timer** button to set the operating time from 1 to 12 hours in 1-hour increments. The humidifier will automatically shut off when the set time expires.
- **Auto Shut-off:** The humidifier features an automatic shut-off function when the water tank is empty, indicated by a 'Lack of Water' warning.
- **Quiet Operation:** The humidifier operates at a whisper-quiet level of ≤30dB.
- **Screen Off:** The display screen will automatically turn off after 30 seconds of inactivity to maintain a plant-friendly environment.



Image: The Spider Farmer humidifier operating in a living room, emitting a fine mist, demonstrating its quiet operation and ability to create a plant-friendly environment.

Maintenance

Humidifier Cleaning:

Regular cleaning is essential for optimal performance and hygiene.

1. **Unplug:** Always unplug the humidifier from the power outlet before cleaning.
2. **Empty Water:** Empty any remaining water from the tank.
3. **Clean Tank:** The humidifier's top-fill design allows for easy access. Wipe the inside of the water tank with a soft cloth. For mineral buildup, use a solution of white vinegar and water (1:1 ratio), let it sit for 30 minutes, then rinse thoroughly.
4. **Clean Base:** Gently wipe the base unit with a damp cloth. Do not immerse the base in water.
5. **Air Dry:** Allow all parts to air dry completely before reassembling and refilling.

Plant Tray Cleaning:

The waterproof trays are designed for easy cleaning.

- Remove trays from the shelf.
- Rinse with water to remove soil or debris.
- Wipe clean with a damp cloth or mild soap solution if necessary.
- Ensure trays are dry before placing them back on the shelf.



Image: A visual representation of the waterproof plant tray, highlighting its key attributes: sturdy and durable construction, leakproof design, reusability, and ease of cleaning.

Troubleshooting

Problem	Possible Cause	Solution
Humidifier not producing mist	No water in tank; Power not connected; Mist level too low; Transducer dirty.	Refill water tank; Check power plug; Increase mist level; Clean transducer.
Unusual odor from humidifier	Stagnant water; Mineral buildup; Dirty tank.	Change water daily; Clean tank and base thoroughly.
Water leakage from humidifier	Tank not seated correctly; Overfilled tank; Damaged tank.	Ensure tank is properly seated; Do not overfill; Contact support if damaged.
Shelf is wobbly/unstable	Screws loose; Uneven surface; Casters not locked.	Tighten all screws; Place on a level surface; Lock all casters.

Specifications

Humidifier Specifications:



Image: A visual display of the humidifier's technical specifications, including its 6L (1.58 gallons) capacity, 450 ML/H maximum humidification rate, 27W power draw, 22-hour maximum runtime, and 12-hour timer setting.

- **Capacity:** 6 Liters (1.58 gallons)
- **Max Humidification:** 450 ml/h
- **Power Draw:** 27W
- **Max Runtime:** Up to 24 hours (depending on mist level)
- **Timer Setting:** 1-12 hours
- **Humidity Range:** 35%-95% (adjustable in 5% increments)
- **Operation Mode:** Automatic
- **Voltage:** 120 Volts

Plant Shelf Specifications:

- **Dimensions (LxDxH):** 46" x 15" x 70" (1171.6mm x 384.6mm x 1799mm)
- **Material:** High-intense premium iron with powder coat finish
- **Shelf Weight Capacity:** Up to 55 lbs per shelf
- **Top Plate Weight Capacity:** 26.5 lbs
- **Trays:** 3 waterproof, no-drainage-hole trays (45"L x 14"D x 2"H)
- **Mobility:** 4 industrial lockable wheels

Important Safety Guidelines

- Read all instructions before using the product.
- Do not operate the humidifier with a damaged cord or plug.

- Always unplug the humidifier before moving, cleaning, or refilling.
- Do not block the mist outlet or air intake vents.
- Keep the humidifier out of reach of children and pets.
- Use only clean, cool tap water in the humidifier. Do not add essential oils or other chemicals directly into the water tank as this may damage the unit.
- Ensure the plant shelf is assembled correctly and all screws are tightened before placing items on it.
- Do not overload the shelves beyond their stated weight capacity.
- Place the shelf on a level, stable surface to prevent tipping.

Warranty and Customer Support

Spider Farmer products are manufactured to high-quality standards. For any questions, technical support, or warranty claims, please contact Spider Farmer customer service. Keep your purchase receipt as proof of purchase.
For further assistance, please visit the official Spider Farmer website or contact their support team directly.

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