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Outsunny 845-019

Outsunny 845-019 Large Walk-in Tunnel Greenhouse Instruction Manual

Model: 845-019

1. PRODUCT OVERVIEW

The Outsunny 845-019 Large Walk-in Tunnel Greenhouse is designed to provide a protected environment for your plants, allowing for extended growing seasons and optimal plant health. This greenhouse features a robust steel frame and a durable polyethylene (PE) mesh fabric cover, ensuring stability and protection against various weather conditions.

Key features include:

- **Durable Construction:** Solid, high-quality PE mesh fabric cover with 7 internal crossbars for structural integrity.
- **Optimal Ventilation:** Equipped with 12 mesh roll-up windows (6 on each side) to ensure cross-air ventilation and easy climate control.
- **Easy Access:** A zippered roll-up door provides convenient entry and exit.
- **Enhanced Stability:** Extended PE cover edges can be buried in soil for a tight seal, complemented by 4 ground stakes and 4 guy ropes for additional security.



Image 1.1: The Outsunny 845-019 Tunnel Greenhouse providing a sheltered growing space.

2. SAFETY INFORMATION

Warning: This greenhouse contains sharp edges and heavy components. Always use caution when handling. Assemble and anchor the greenhouse according to the provided instructions to prevent damage or injury. Keep children and pets away from the greenhouse during assembly and use. Avoid prolonged exposure to UV rays. Ensure proper ventilation to prevent overheating and maintain a safe environment for plants and users.

- Always wear appropriate safety gear, such as gloves, during assembly.
- Ensure the assembly area is clear of obstructions and level.
- Do not attempt to assemble the greenhouse during strong winds or adverse weather conditions.
- Regularly inspect the frame and cover for any signs of wear, damage, or loose connections.
- Properly anchor the greenhouse to the ground to prevent wind uplift.
- Maintain adequate ventilation to prevent excessive heat buildup and humidity, which can harm plants and the structure.

3. SETUP INSTRUCTIONS

Careful assembly is crucial for the stability and longevity of your greenhouse. Follow these general steps, referring to the detailed diagrams in your physical manual for specific component identification and connection points.

3.1 Unpacking and Component Check

- Unpack all components and lay them out.
- Verify that all parts listed in your packing list are present and undamaged.
- Familiarize yourself with the different frame pieces and connectors.

3.2 Frame Assembly

Begin by assembling the steel frame. The greenhouse utilizes a premium steel frame with 7 crossbars for structural support.

- Connect the steel pipes using the provided connectors. Ensure all connections are secure.
- Assemble the arched sections first, then connect them with the horizontal bars.
- Ensure the frame is square and level before proceeding.



Image 3.1: Detail of a steel pipe connector.

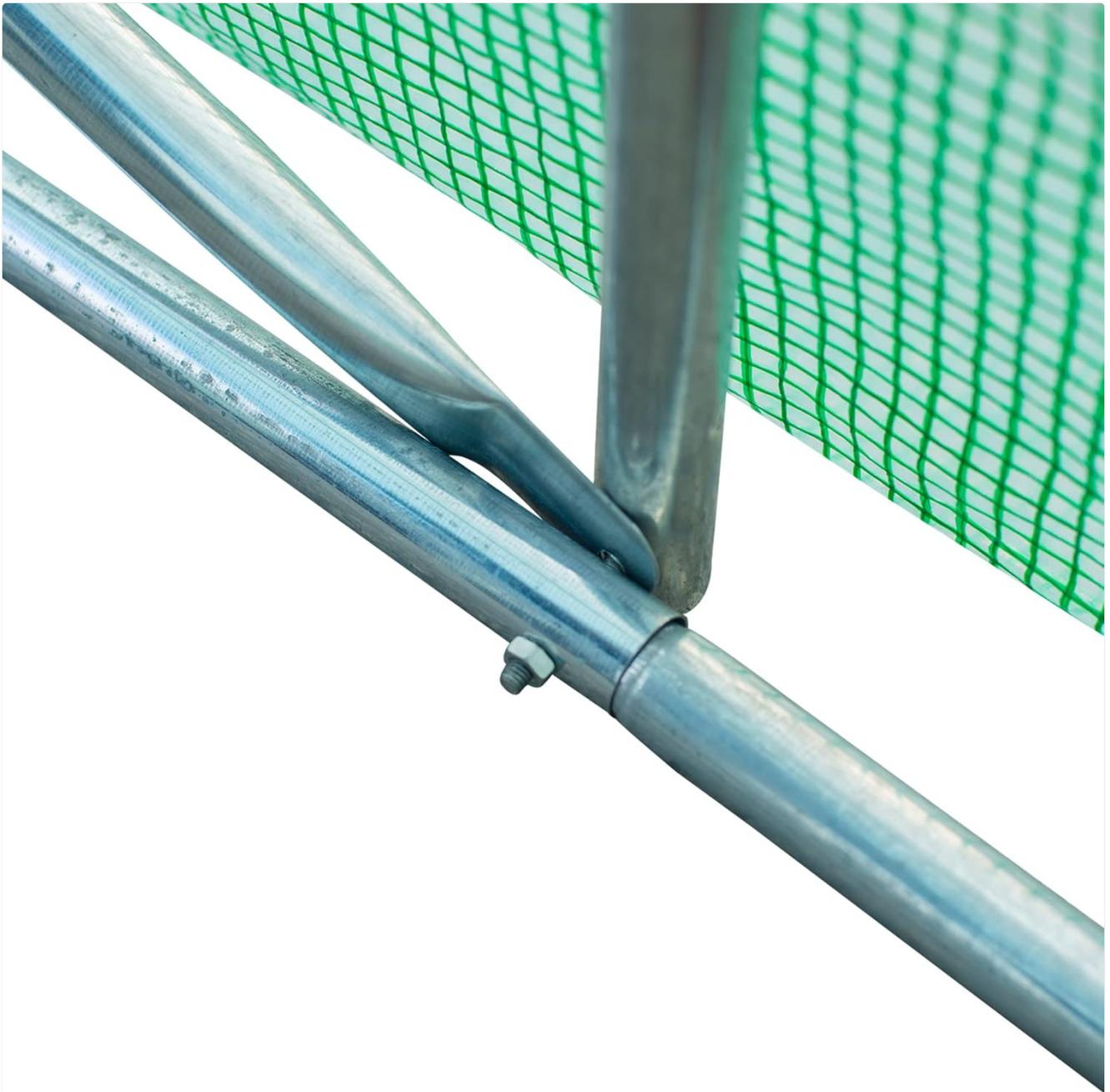


Image 3.2: Example of a frame connection point.

3.3 Cover Installation

Carefully drape the PE mesh fabric cover over the assembled frame. The cover is designed to be tear-proof, bird-proof, and offers UV protection.

- Align the cover so that the zippered door is at the desired entrance point.
- Secure the cover to the steel frame using the provided cover attachments and fixing straps.
- The cover features extended edges (approximately 5.9 inches or 15 cm) that should be buried into the soil. This creates a tight seal, preventing drafts and enhancing stability.



Image 3.3: Illustration of cover features and anchoring components.

3.4 Anchoring the Greenhouse

For maximum stability, especially in windy conditions, proper anchoring is essential.

- Bury the extended edges of the PE cover into the soil around the perimeter of the greenhouse.
- Utilize the 4 ground stakes and 4 guy ropes. Securely attach the guy ropes to the designated points on the greenhouse frame and firmly fix them into the ground with the ground stakes.



Image 3.4: Stable standing features including buried edges and ground stakes.

4. OPERATING INSTRUCTIONS

Operating your Outsunny tunnel greenhouse involves managing access and ventilation to create an ideal growing environment.

4.1 Accessing the Greenhouse

The greenhouse features a zippered roll-up door for convenient access.

- To open, unzip the door and roll it up, securing it with the ties provided.
- To close, unroll the door and zip it completely to maintain internal conditions.



Image 4.1: The large roll-up mesh door for easy entry and exit.

4.2 Ventilation and Climate Control

Effective ventilation is key to preventing overheating and managing humidity within the greenhouse.

- The greenhouse is equipped with 12 mesh roll-up windows, 6 on each side.
- To open a window, roll up the mesh flap and secure it with the attached ties.
- Adjust the number of open windows based on external temperature, humidity, and the specific needs of your plants.
- Ensure cross-ventilation by opening windows on opposite sides.



Image 4.2: Mesh windows provide ventilation and pest protection.

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Video 4.1: An overview of the Outsunny 845-019 Tunnel Greenhouse features and use, demonstrating its design and functionality for plant cultivation.

5. MAINTENANCE

Regular maintenance will extend the life of your greenhouse and ensure optimal performance.

- **Cleaning the Cover:** Periodically clean the PE cover with mild soap and water to remove dirt, dust, and algae buildup. Avoid harsh chemicals or abrasive cleaners that could damage the material.
- **Frame Inspection:** Annually inspect the steel frame for any signs of rust, corrosion, or loose connections. Tighten any bolts or connectors as needed.
- **Cover Integrity:** Check the PE cover for tears, punctures, or thinning. Small repairs can often be made with greenhouse repair tape. Consider replacing the cover if significant damage occurs.
- **Anchoring System:** Regularly check the ground stakes and guy ropes to ensure they are securely in place, especially after strong winds or heavy rainfall. Re-bury the extended cover edges if they become exposed.
- **Winter Preparation:** In areas with heavy snowfall, it is recommended to clear snow from the greenhouse roof

to prevent structural collapse. If possible, disassemble and store the greenhouse in a dry place during harsh winter months.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Greenhouse unstable in wind:** Ensure all ground stakes and guy ropes are firmly secured. Verify that the extended edges of the PE cover are properly buried in the soil. Consider adding additional anchoring points in very windy locations.
- **Excessive heat buildup:** Increase ventilation by opening more mesh windows and the zippered door. Consider adding shade cloth during peak summer months.
- **High humidity:** Improve air circulation by opening windows. Ensure plants are not overcrowded.
- **Water pooling on roof:** Check that the frame is correctly assembled and the cover is taut. Ensure proper drainage around the base of the greenhouse.
- **Pests inside:** Ensure all zippers are fully closed and windows are properly sealed when not in use. Inspect the mesh for tears and repair as necessary.

7. SPECIFICATIONS

Feature	Specification
Model Number	845-019
Overall Dimensions (L x W x H)	26.2' x 9.8' x 6.6' (800 x 300 x 200 cm)
Door Size (W x L)	58.25" x 70.75" (148 x 180 cm)
Frame Material	Alloy Steel
Cover Material	Polyethylene (PE)
Number of Doors	1 (Zippered Roll-Up)
Number of Vents	12 (Mesh Roll-Up Windows)
Item Weight	95 lbs (43.09 kg)
Special Features	12 Mesh Roll-Up Windows, Zipper Door, Extended Cover Edges for Anchoring
Indoor/Outdoor Usage	Outdoor



Image 7.1: Detailed dimensions of the greenhouse.

8. WARRANTY AND SUPPORT

This Outsunny product is manufactured by Aosom Canada. For any inquiries regarding warranty, returns, or technical support, please contact Aosom Canada directly.

- **Return Policy:** Eligible for Return or Refund within 30 days of receipt.
- **Manufacturer:** Aosom Canada
- **Place of Business:** Markham, Ontario, CA
- **Telephone:** 1-416-792-6088

Please retain your proof of purchase for any warranty claims or support requests.