



[Manuals.plus](#) /

- › [Backyard Discovery](#) /
- › Backyard Discovery Poppy 11' x 7' Cedar Wood Greenhouse Kit User Manual

Backyard Discovery 2404106

Backyard Discovery Poppy 11' x 7' Cedar Wood Greenhouse Kit User Manual

Model: 2404106

INTRODUCTION

The Backyard Discovery Poppy Greenhouse is designed to provide an optimal environment for year-round gardening. This kit features a durable cedar wood frame combined with commercial-grade polycarbonate panels, offering protection for your plants from various weather conditions. It includes integrated ventilation, staging shelves, hose hook-ups, and a PowerPort for convenience. This manual provides essential information for the assembly, operation, and maintenance of your greenhouse.



A full view of the Backyard Discovery Poppy 11x7 Cedar Wood Greenhouse, showcasing its light brown cedar frame and clear polycarbonate panels.

KEY FEATURES

- **All-Weather Durability:** Engineered to withstand up to 4,200 pounds of roof weight (equivalent to 30 inches of snow load) and winds up to 100 mph when anchored correctly.
- **Optimal Insulation:** Features commercial-grade 4-wall polycarbonate roof and window panels, enhancing heat retention by 30% compared to standard double-wall polycarbonate for year-round use.
- **100% Cedar Wood Construction:** Crafted from natural cedar wood, known for its strength and inherent resistance to decay.
- **Integrated Ventilation:** Includes a temperature-activated exhaust fan for active air circulation and two easy-open windows for natural, passive ventilation and pollination.
- **Spacious Interior:** Offers 78 square feet of internal space, complete with a built-in workstation, 45 linear feet of fixed lower and upper staging shelves, a 4-tiered staging rack, and 4 plant hooks.
- **PowerPort:** Equipped with 3 electrical outlets and 3 USB ports to power various gardening accessories (power source not included).

- **Convenient Watering:** Features both exterior and interior hose hook-ups, with an interior hose provided for easy plant watering.
- **Ready to Assemble:** Designed with pre-cut, pre-drilled, and pre-stained components. Assembly is guided by step-by-step instructions available through the interactive BILT app.
- **Modern Aesthetic:** Light brown stain and pergola overhangs provide a contemporary look, suitable for climbing vines, hanging plants, or decorative lighting.

SETUP AND ASSEMBLY

Proper preparation is crucial for a smooth assembly process. Ensure you have a level site for installation and organize all parts before beginning. The BILT app provides interactive 3D instructions to guide you through each step.



An infographic outlining five preparation steps for assembling the greenhouse: site prep, delivery, inventory, applying sealant, and assembly with the BILT app.

Assembly Tips:

- **Site Preparation:** Select a level area for your greenhouse. An uneven foundation can lead to alignment issues during assembly.
- **Part Organization:** Unpack and organize all components, including hardware, by their labels. This will significantly reduce assembly time.
- **Follow Instructions:** Adhere strictly to the provided instructions, especially regarding pilot holes and component orientation. Double-check each step to avoid deconstruction.
- **Squaring the Base:** Ensure the base is perfectly square and maintain its squareness as you build upwards. This is critical for proper panel fitment.
- **Roof Assembly:** While instructions may suggest two people for lifting the roof structure, some users have found it possible to assemble the roof directly on the structure by adjusting the sequence of steps.
- **Sealant Application:** If applying a protective clear coat or sealant to the cedar, do so before assembly to ensure even coverage and avoid covering part labels.

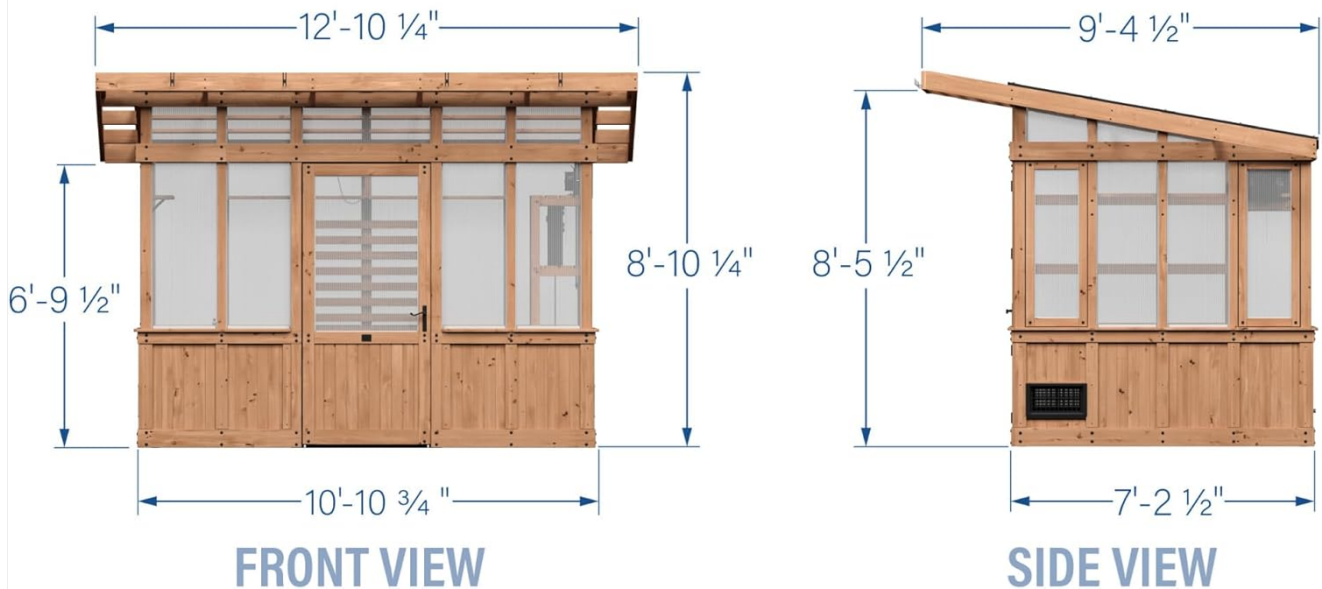
Dimensions:

11X7 POPPY GREENHOUSE

45 LINEAR FEET OF FIXED LOWER
AND UPPER STAGING SHELVES



TOP/INTERIOR VIEW



Technical drawing illustrating the front, side, and top interior dimensions of the 11x7 Poppy Greenhouse, including measurements for staging shelves.

OPERATION

Ventilation:

The greenhouse features both active and passive ventilation systems to maintain optimal growing conditions. The integrated temperature-activated exhaust fan automatically regulates internal temperature by expelling hot air when needed. Additionally, two easy-open windows allow for manual control of airflow and natural cross-pollination.



TEMPERATURE ACTIVATED EXHAUST FAN

Close-up view inside the greenhouse showing the integrated temperature-activated exhaust fan, designed for active ventilation.



A user opening one of the greenhouse windows, highlighting the passive ventilation feature for natural air circulation.

Watering System:

For convenient watering, the greenhouse includes both exterior and interior hose hook-ups. An interior hose is provided to simplify the process of watering plants from seedlings to maturity.

PowerPort:

The patented PowerPort offers three electrical outlets and three USB ports. This allows you to power various gardening accessories such as grow lights, additional fans, or other electronic tools. Ensure a suitable power source is connected to the PowerPort.

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Official video showcasing the features and overall design of the Poppy 11x7 Greenhouse.

MAINTENANCE

To ensure the longevity and optimal performance of your greenhouse, regular maintenance is recommended.

- **Wood Care:** The cedar wood is naturally resistant to decay. However, applying a wood sealant annually can further protect it from weathering and extend its lifespan.
- **Panel Cleaning:** Clean the polycarbonate panels periodically with mild soap and water to remove dirt and algae, ensuring maximum light transmission. Avoid abrasive cleaners or tools that could scratch the panels.
- **Ventilation System:** Regularly check the exhaust fan for debris and ensure it operates freely. Keep the windows clear of obstructions.
- **Structural Integrity:** Periodically inspect all fasteners and connections to ensure they remain tight. Verify that the greenhouse remains properly anchored, especially in areas prone to high winds or heavy snow.



Image demonstrating the greenhouse's durability, showing it withstanding heavy snow load (4,200 lbs) and high winds (100 mph).

TROUBLESHOOTING

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Greenhouse interior is too hot/cold.	Ventilation system not operating correctly; windows closed; fan malfunction.	Check if the temperature-activated exhaust fan is powered and functioning. Ensure windows are open for passive ventilation. Clear any obstructions from the fan or window mechanisms.
Water leakage from roof or panels.	Improper panel installation; damaged sealant; loose connections.	Inspect panel edges and seams for gaps. Reapply silicone caulk where necessary. Ensure all screws and bolts are tightened.
PowerPort not functioning.	No power supply; tripped breaker; faulty connection.	Verify that the PowerPort is connected to a live electrical source. Check your home's circuit breaker. Inspect the PowerPort's wiring for any visible damage.
Doors or windows do not close properly.	Misalignment during assembly; warped wood; debris in tracks.	Check the squareness of the greenhouse frame. Clear any debris from door/window tracks. Adjust hinges or sliding mechanisms if possible.

SPECIFICATIONS

Feature	Detail
Brand	Backyard Discovery
Model Number	2404106
Product Dimensions (L x W x H)	154.33" x 112.56" x 106.81"
Size	11x7 ft
Item Weight	950.2 Pounds
Frame Material	Cedar Wood
Cover Material	Polycarbonate (PC)
Number of Doors	2 (Sliding Door Style)
Number of Vents	2 (Integrated Temperature-Activated Exhaust Fan)
Indoor/Outdoor Usage	Outdoor
UPC	752113404106

WARRANTY AND SUPPORT

The Backyard Discovery Poppy Greenhouse Kit comes with an industry-leading **5-year warranty**, providing peace of mind regarding manufacturing defects and material quality.

For further assistance, replacement parts, or detailed product information, please visit the official Backyard Discovery store

or contact their customer support. You can find more information at: [Backyard Discovery Store](#).

SAFETY INFORMATION

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Assembly Safety: Due to the size and weight of components, a "Team Lift" approach is recommended during assembly to prevent injury. Always follow all safety guidelines provided in the full instruction manual.

Anchoring: The greenhouse must be anchored as specified in the Backyard Discovery instruction manual to ensure its stability and ability to withstand high winds and snow loads.