

VAXMAY HY2312-16L-WT

VAXMAY 4.2 Gallon Battery Powered Backpack Sprayer

MODEL: HY2312-16L-WT - INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your VAXMAY 4.2 Gallon Battery Powered Backpack Sprayer. Please read this manual thoroughly before initial use and retain it for future reference.

2. Safety Information

WARNING: Always wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and a mask when operating the sprayer, especially when handling chemicals.

- Do not spray flammable liquids.
- Do not spray near open flames or ignition sources.
- Keep out of reach of children and pets.
- Ensure proper ventilation when spraying indoors or in enclosed areas.
- Always follow the chemical manufacturer's instructions for mixing, application, and disposal.
- Disconnect the battery before cleaning, maintenance, or storage.
- Do not immerse the sprayer's electrical components in water.

3. Package Contents

Verify that all items are present in your package:

- VAXMAY 4.2 Gallon Backpack Sprayer Unit
- 42-inch Telescopic Wand

- 5 Spray Nozzles (Windproof, Fan, F Type Dual, Single Head, Stream)
- 2.5Ah 21V Rechargeable Lithium-ion Battery
- Battery Charger
- User Manual

4. Setup

4.1. Battery Charging and Installation

The sprayer includes a 2.5Ah 21V rechargeable lithium-ion battery and is also compatible with Makita 18V lithium-ion batteries.

1. **Charge the Battery:** Connect the provided charger to a power outlet and then to the 2.5Ah 21V battery. Allow the battery to fully charge before first use. The digital voltage display on the sprayer will indicate battery level.
2. **Install the Battery:** Locate the battery compartment on the back of the sprayer. Open the compartment and insert the charged battery, ensuring it clicks securely into place. Close the compartment cover.



Image: The VAXMAY backpack sprayer in use, highlighting its compatibility with both the included 21V/2.5Ah battery and

Long Lasting Backpack Sprayer

Up to 4 Hours Continuous Spraying



Spraying 18 Tanks Each Time

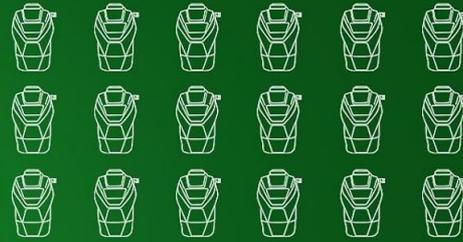


Image: Visual representation of the battery's runtime, indicating up to 4 hours of continuous spraying or 18 tank refills per charge.

4.2. Assembling the Wand and Nozzle

1. **Attach the Hose:** Connect the sprayer hose to the wand handle. Ensure a tight connection to prevent leaks.
2. **Attach the Nozzle:** Select the desired spray nozzle from the 5 available types. Screw it onto the end of the telescopic wand until secure.

4.3. Filling the Tank

1. **Prepare Solution:** Mix your desired liquid (water, fertilizer, herbicide, etc.) according to the manufacturer's instructions in a separate container.
2. **Fill Tank:** Unscrew the tank cap. The wide-mouth opening includes a filter to prevent debris from entering the tank. Carefully pour the prepared solution into the tank. Do not overfill.
3. **Secure Cap:** Screw the tank cap back on tightly to prevent leaks.



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Video: An official product video showcasing the VAXMAY Backpack Sprayer's features, including its operation, adjustable spray, and ease of use in various garden settings.

5. Operating Instructions

5.1. Powering On and Adjusting Pressure

1. **Power On:** Locate the ON/OFF switch on the side control panel of the sprayer. Flip it to the 'ON' position.
2. **Adjust PSI:** Use the 'speed control knob' (PSI adjuster) on the control panel to set the desired spray pressure. The sprayer can reach up to 100 PSI. Turn the knob clockwise for higher pressure and counter-clockwise for lower pressure.



Image: The control panel with the adjustable PSI knob and digital voltage display, indicating the sprayer's maximum pressure of 100 PSI.

5.2. Using the Telescopic Wand and Nozzles

1. **Extend Wand:** The 42-inch telescopic wand can be extended to reach higher or more distant areas. Adjust its length by twisting and pulling the sections.
2. **Select Nozzle:** Choose from the 5 included nozzles based on your spraying needs:

- *Windproof Nozzle*: For minimizing drift in breezy conditions.
- *Fan Nozzle*: For broad, even coverage.
- *F Type Dual Nozzle*: For wider, dual-stream application.
- *Single Head Nozzle*: For general purpose spraying.
- *Stream Nozzle*: For a concentrated, long-distance stream.

3. **Activate Spray**: Squeeze the trigger on the wand handle to begin spraying.

4. **Trigger Lock**: For continuous spraying without holding the trigger, engage the trigger lock mechanism on the handle.



Image: A user demonstrating the 42-inch telescopic wand and the trigger-lock feature for hands-free operation.

5 Types of Nozzles are Available

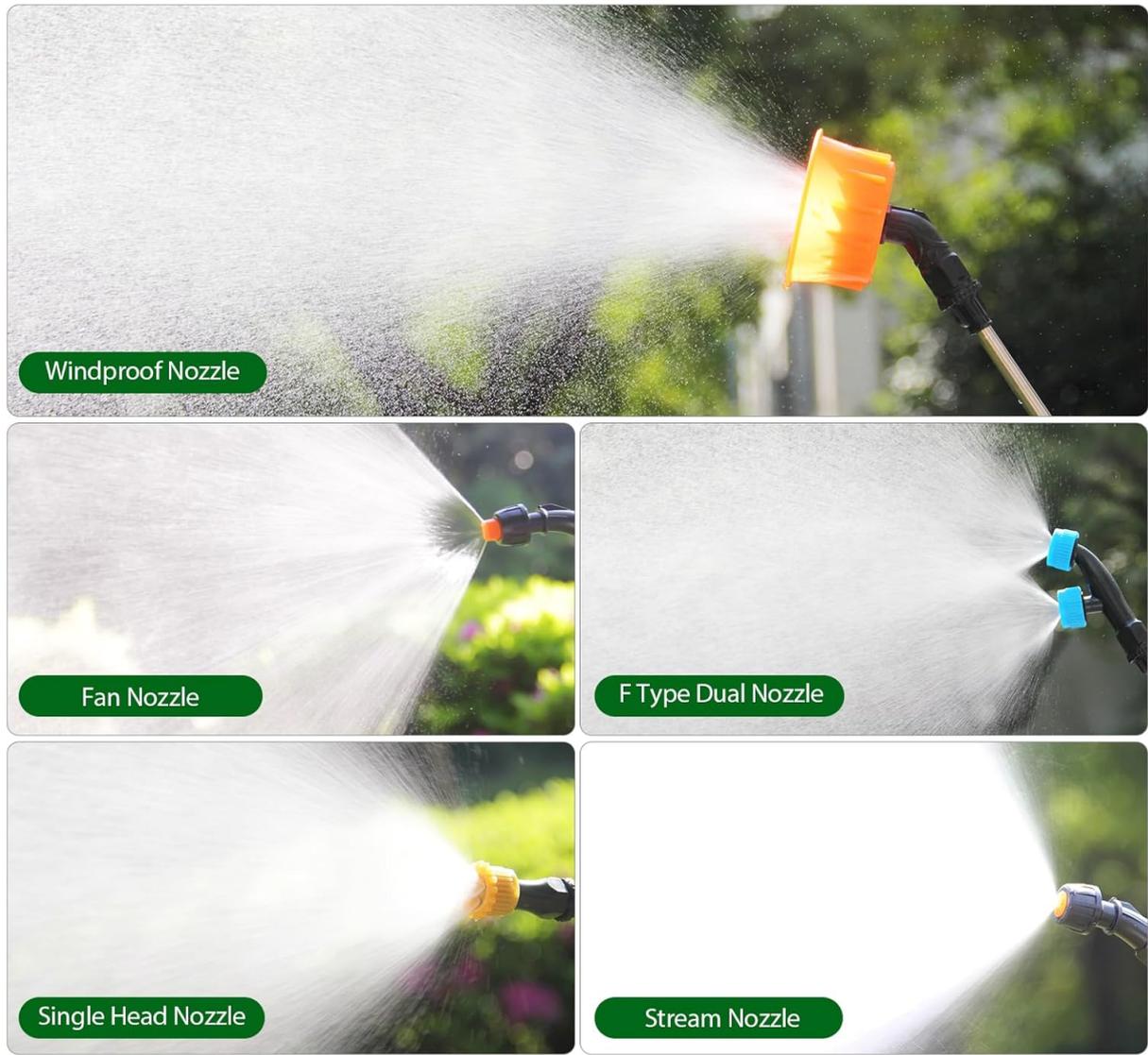


Image: A visual guide to the five types of nozzles available, illustrating their distinct spray patterns for various applications.

5.3. Ergonomic Design

The sprayer features adjustable shoulder straps and a padded back foam cushion for comfortable use during extended periods. The ergonomic design distributes weight to reduce strain.

BREATHABLE SHOULDER STRAP DESIGN



Breathable shoulder straps

Padded back foam cushion

Adjustable backpack straps

Image: Detailed view of the breathable shoulder strap design, padded back foam cushion, and adjustable straps for user comfort.

6. Maintenance

6.1. Cleaning the Sprayer

1. **Empty Tank:** After each use, empty any remaining liquid from the tank.
2. **Rinse:** Fill the tank with clean water and spray it through the wand and nozzle to flush out any chemical residue. Repeat this process several times.
3. **Clean Nozzles:** Remove the nozzles and clean them thoroughly with water to prevent clogging.
4. **Wipe Down:** Wipe the exterior of the sprayer with a damp cloth.

6.2. Battery Care and Storage

- Store the battery in a cool, dry place away from direct sunlight.
- Do not store fully discharged batteries for extended periods. Recharge them periodically.
- If not using the sprayer for an extended period, remove the battery.

6.3. General Storage

- Store the sprayer in a dry, frost-free location.
- Keep the sprayer upright to prevent any residual liquid from leaking.

7. Troubleshooting

Problem	Possible Cause	Solution
Sprayer does not turn on	Battery not charged or improperly installed; ON/OFF switch is off.	Charge battery, ensure it is correctly seated. Turn ON/OFF switch to 'ON'.
No spray or weak spray	Nozzle clogged; low battery; PSI knob set too low; tank empty.	Clean nozzle; recharge battery; adjust PSI knob higher; refill tank.
Leaking from connections	Loose hose or nozzle connections.	Tighten all connections securely.
Digital voltmeter shows low voltage	Battery is low.	Recharge the battery.

8. Specifications

- **Model Number:** HY2312-16L-WT
- **Product Dimensions:** 12 x 12 x 19 inches (W x D x H)
- **Item Weight:** 10.78 pounds
- **Tank Capacity:** 4.2 Gallons (16 Liters)
- **Power Source:** Battery Powered
- **Battery Type:** 2.5Ah 21V Lithium-ion (included), compatible with Makita 18V batteries
- **Max Spraying Pressure:** 100 PSI
- **Wand Length:** 42 inches (Telescopic)
- **Continuous Runtime:** Up to 4 hours (approximately 18 tank refills)

PRODUCT SIZE



10.63 inch

21.65 inch



40.16 inch

Image: Product dimensions of the sprayer unit and the telescopic wand.

9. Warranty and Support

The VAXMAY 4.2 Gallon Battery Powered Backpack Sprayer comes with a **1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact VAXMAY customer support. Our 24/7 responsive customer support team is available to assist you.

Please refer to the contact information provided on the product packaging or the official VAXMAY website for the most current support details.

