Matabi 84941

Matabi Evolution 16 Backpack Sprayer User Manual

Model: 84941

Introduction

The Matabi Evolution 16 Backpack Sprayer is designed for efficient application of liquids over large areas. With a 4-gallon (16-liter) capacity, it is suitable for treating areas exceeding 400 m². This sprayer features a lightweight, injection-molded tank engineered to prevent leakage and ensure durability. Its design prioritizes user comfort and ease of maintenance, making it a reliable tool for various spraying tasks.

Key features include a pressure regulator for consistent flow, a fiberglass lance for extended reach, and a stainless steel handle for robust operation. The unit is equipped with padded and adjustable straps, along with an ergonomic handle, to provide comfort during prolonged use.



Image: Overview of the Matabi Evolution 16 Backpack Sprayer, detailing its 4.2 US Gallon tank, pressure regulator, fiberglass lance, and stainless steel handle.

Safety Information

Adherence to safety guidelines is crucial for safe operation and to prevent injury or damage. Please read and understand all instructions before using the sprayer.

- Always wear appropriate protective clothing, including eye and face protection, when operating this product.
- Keep the sprayer and any chemicals out of reach of children and pets.
- Do not use the sprayer with chemicals that are incompatible with its materials or intended use. Refer to chemical manufacturer guidelines.
- Always follow the chemical manufacturer's instructions for proper handling, usage, maintenance, and disposal of the product being sprayed.
- Never leave the sprayer unattended while it is pressurized.
- Always release pressure from the sprayer before cleaning, refilling, or storing it.

- In case of accidental release or exposure to contents, rinse the affected area thoroughly with water and seek medical attention if necessary.

What's in the Box

Verify that all components are present upon unpacking your Matabi Evolution 16 Backpack Sprayer:

- Matabi Evolution 16 Backpack Sprayer Unit
- Instruction Guide
- Nozzle Set (various types)
- Pressure Regulator
- Doser (Measuring Cup)
- Seals and Washers (spare parts)
- Maintenance Rules Document



Image: A visual representation of all items included in the Matabi Evolution 16 Backpack Sprayer package.

Setup

1. **Strap Assembly:** Attach the padded and adjustable straps to the designated points on the sprayer tank. Ensure they are securely fastened and adjusted for comfortable carrying.
2. **Hose and Lance Connection:** Connect the hose to the sprayer tank outlet and the lance to the other end of the hose. Hand-tighten all connections to prevent leaks.
3. **Nozzle Attachment:** Select the appropriate nozzle for your application from the included nozzle set. Screw the chosen nozzle onto the end of the lance.
4. **Pressure Regulator Installation (Optional):** If precise pressure control is required, install the pressure regulator between the hose and the lance. Ensure it is oriented correctly according to the markings.
5. **Filling the Tank:** Unscrew the tank lid and carefully pour the prepared liquid into the 4-gallon tank. Use the provided doser (measuring cup) for accurate chemical mixing if necessary. Do not overfill. Securely close the tank lid.

Operating Instructions

1. **Wearing the Sprayer:** Place the backpack sprayer on your back, adjusting the padded straps for a snug and comfortable fit.
2. **Building Pressure:** Operate the pump handle repeatedly to build pressure inside the tank. Continue pumping until resistance is felt, indicating sufficient pressure.
3. **Using the Pressure Regulator:** If installed, adjust the pressure regulator to the desired setting. It typically offers a red position for low pressure, a green position for high pressure, and an off position. This ensures a constant flow rate and uniform spray.



Image: The pressure regulator, showing its three positions (Red for low pressure, Green for high pressure, Off) and its effect on spray uniformity.

4. **Spraying:** Direct the lance towards the target area and activate the spray trigger. Maintain a consistent distance and movement for even coverage.
5. **Nozzle Selection:** The sprayer comes with a versatile nozzle set. Choose nozzles based on the application type (e.g., fine mist for delicate plants, stronger stream for weeds).



Image: Various compatible nozzles, such as low-volume weed-killers elbow, weed-killers elbow, 4-hole nozzle, and double adjustable nozzle, for precise spraying.

6. **Application Areas:** The Matabi Evolution 16 is suitable for various applications, including general garden care, vegetable patches, and fruit trees.



Image: The sprayer being used in different environments: a garden, a vegetable patch, and for spraying fruit trees.

Maintenance

The Matabi Evolution 16 is designed for easy maintenance without the need for specialized tools, ensuring longevity and consistent performance.

- **Cleaning After Use:** After each use, empty any remaining liquid from the tank. Rinse the tank thoroughly with clean water. Pump clean water through the lance and nozzle to flush out any chemical residue.
- **Checking Seals:** Periodically inspect all seals and washers for wear or damage. Replace them as needed to prevent leaks and maintain pressure. Spare seals are included with the product.
- **Nozzle Cleaning:** If a nozzle becomes clogged, remove it and clean it with water. Do not use metal objects that could damage the nozzle orifice.
- **Storage:** Store the sprayer in a clean, dry, and frost-free location, away from direct sunlight and out of reach of children. Ensure all pressure is released before storage.



Image: Information on available maintenance kits, accessories, and spare parts to ensure the sprayer's long-term functionality.

Troubleshooting

This section addresses common issues you might encounter with your Matabi Evolution 16 Backpack Sprayer.

- **No Spray or Low Pressure:**
  - Check if the tank lid is securely closed.
  - Ensure the pump handle is fully engaged and being operated correctly.
  - Inspect the nozzle for clogs and clean if necessary.
  - Check all hose connections for tightness.
  - Examine seals and washers for wear or damage and replace if needed.
- **Leaks from Connections:**
  - Tighten all connections (hose to tank, hose to lance, nozzle to lance).

- Inspect O-rings and washers at connection points for damage and replace if faulty.

- **Uneven Spray Pattern:**
  - Clean the nozzle to remove any partial blockages.
  - Ensure the pressure regulator (if used) is set correctly and functioning.

Specifications

Feature	Detail
Brand	Matabi
Model Name	Evolution 16
Model Number	84941
Tank Volume	4 Gallons (approximately 16 Liters)
Material	Plastic
Item Weight	8 Pounds
Item Dimensions (W x H)	17.1"W x 23.81"H
Hose Length	48 Inches
Power Source	Hand Powered
Recommended Uses	Pest Control, Watering, Weed Control

Warranty Information

The Matabi Evolution 16 Backpack Sprayer comes with a**5-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty document included in your product packaging or contact Matabi customer support.

Customer Support

For further assistance, technical support, or inquiries regarding spare parts and accessories, please contact Matabi customer service. Refer to the contact information provided in your product's instruction guide or visit the official Matabi website.

© 2024 Matabi. All rights reserved.

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