

SOLO 453

Solo 453 3-Gallon Trolley Landscape Sprayer

User Manual

1. INTRODUCTION

Thank you for choosing the Solo 453 3-Gallon Trolley Landscape Sprayer. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your new sprayer. Designed for convenience, this pull-along sprayer is ideal for applying pesticides, herbicides, and for general spraying tasks over long distances in your garden or landscape.

2. SAFETY INFORMATION

WARNING: Always read and understand all safety instructions before operating the sprayer.

- Always wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and respiratory masks when handling and spraying chemicals.
- Do not spray flammable liquids.
- Ensure proper ventilation when spraying indoors or in enclosed areas.
- Never leave the sprayer unattended when pressurized.
- Do not attempt to lift the sprayer by its handle when it is full, as it is designed for wheeling. Always wheel the unit to your desired location.
- Keep out of reach of children and pets.
- Dispose of chemical residues and rinse water according to local regulations.

3. PACKAGE CONTENTS

Verify that all components are present before assembly:

- Sprayer Tank (3-Gallon capacity)
- Pump Assembly with Handle
- Coiled Hose
- Spray Wand with Nozzle
- Wheel Assembly (2 wheels)
- Pull Handle Assembly
- Instruction Manual (this document)



An image showing the Solo 453 3-Gallon Trolley Landscape Sprayer. It features a translucent white tank with the 'solo' logo in red, a black pump handle, a long black coiled hose, and a spray wand. The sprayer is mounted on two red and black wheels, with a black U-shaped handle for pulling.

4. SETUP

The Solo 453 sprayer is designed for easy assembly. Follow these steps:

1. **Attach Wheels:** Securely attach the two wheels to the designated axles at the base of the sprayer tank. Ensure they are firmly in place to allow for smooth rolling.
2. **Assemble Pull Handle:** Insert the two vertical bars of the pull handle into the corresponding slots on the sprayer body. Fasten them securely using the provided hardware. The U-shaped handle should be at the top.
3. **Connect Hose and Wand:** Attach one end of the coiled hose to the outlet port on the pump assembly. Connect the spray wand to the other end of the hose. Ensure all connections are tight to prevent leaks.
4. **Secure Wand:** The spray wand can be clipped into the integrated holder on the handle assembly for convenient storage when not in use.

5. OPERATING INSTRUCTIONS

1. **Prepare Solution:** Unscrew the pump assembly from the tank. Carefully pour your desired liquid solution into the 3-gallon tank. Do not overfill.
2. **Secure Pump:** Reinsert the pump assembly into the tank opening and screw it down tightly to create an airtight seal.
3. **Pressurize:** Pump the handle up and down repeatedly to build pressure inside the tank. Continue pumping until resistance is felt, indicating sufficient pressure.
4. **Begin Spraying:** Grasp the spray wand and depress the trigger to begin spraying. Adjust the nozzle at the end of the wand to achieve the desired spray pattern (e.g., fine mist, stream).
5. **Maneuver:** Utilize the large wheels and pull-along design to easily transport the sprayer across your landscape, facilitating work over long distances without carrying heavy loads.
6. **Release Pressure:** After use, or before opening the tank, always release any remaining pressure by pulling the pressure relief valve (if present) or by holding the spray trigger until all air escapes.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sprayer:

- **Cleaning After Use:** After each use, thoroughly rinse the tank, hose, and spray wand with clean water. Pump clean water through the system to flush out any chemical residues.
- **Nozzle Care:** If the nozzle becomes clogged, remove it and clean it with water. Do not use metal objects that could damage the opening.

- **Hose Inspection:** Regularly inspect the hose for any signs of wear, cracks, or kinks. Be careful not to kink the hose during use or storage, as this can weaken it over time.
- **Seal Inspection:** Periodically check all seals and O-rings for wear or damage. Replace them if necessary to maintain an airtight seal and prevent leaks.
- **Storage:** Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures. Ensure the tank is empty and clean before storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No pressure or low pressure	Loose pump assembly; Worn O-rings/seals; Clogged nozzle; Insufficient pumping	Tighten pump assembly; Inspect and replace O-rings/seals; Clean nozzle; Pump more to build pressure
Leaking from connections	Loose connections; Damaged hose or seals	Tighten all connections; Inspect hose and replace if damaged; Replace worn seals
Uneven spray pattern	Partially clogged nozzle; Damaged nozzle	Clean nozzle thoroughly; Replace nozzle if damaged
Pump handle difficult to operate	Dry pump shaft; Debris in pump cylinder	Lubricate pump shaft with silicone grease; Clean pump cylinder

8. SPECIFICATIONS

- **Model:** Solo 453
- **Capacity:** 3 Gallons (approx. 11.36 Liters)
- **Dimensions (L x W x H):** 33.02 x 25.4 x 58.42 cm (13 x 10 x 23 inches)
- **Weight (Empty):** 3.18 kg (7 lbs)
- **Brand:** SOLO
- **Manufacturer:** D&H (Lawn & Garden)
- **Design:** Pull-Along Trolley

9. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or replacement parts, please contact the manufacturer, SOLO, directly through their official website or customer service channels.