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Goodyear Parent Pulverizador

Goodyear Hand Sprayer Backpack 16L Instruction Manual

MODEL: PARENT PULVERIZADOR

Introduction

The Goodyear Hand Sprayer Backpack 16L is designed for efficient spraying and cleaning tasks across various applications, including gardening, agriculture, and industrial cleaning. This manual provides essential information for the safe and effective assembly, operation, maintenance, and troubleshooting of your sprayer. Please read these instructions carefully before initial use and retain them for future reference.

Safety Information

Always prioritize safety when operating the sprayer. Failure to follow safety guidelines can result in injury or damage to the equipment. Observe all warning labels on the product.



Image: Safety warning labels on the sprayer.

- **Wear Personal Protective Equipment (PPE):** Always wear appropriate safety glasses, gloves, and a mask to protect against chemical exposure.
- **Read Chemical Labels:** Before filling the tank, carefully read and follow all instructions and safety precautions provided by the chemical manufacturer.
- **Ventilation:** Use the sprayer in well-ventilated areas.
- **No Eating or Drinking:** Do not eat, drink, or smoke while operating or handling chemicals.
- **Keep Away from Children and Pets:** Ensure children and pets are kept at a safe distance from the

spraying area and the sprayer itself.

- **Avoid Open Flames:** Do not use the sprayer near open flames, sparks, or other ignition sources, especially when using flammable liquids.
- **Secure Storage:** Store the sprayer and chemicals in a secure, cool, dry place, out of reach of children and unauthorized persons.
- **Proper Disposal:** Dispose of unused chemicals and rinse water according to local regulations.

Components

Familiarize yourself with the main components of your Goodyear Hand Sprayer Backpack 16L:



Image: Overview of the Goodyear Hand Sprayer Backpack 16L.

- **16-Liter Tank:** The main reservoir for liquids.

- **Pump Handle:** Used to manually build pressure within the tank.
- **Shoulder Straps:** Adjustable straps for comfortable carrying.
- **Hose:** Connects the tank to the lance.
- **Stainless Steel Lance:** Durable spray wand for directing the spray.
- **Trigger Handle:** Controls the flow of liquid from the lance.
- **Nozzles:** Interchangeable nozzles for different spray patterns (double cone, fan cone, 4-hole adjustable).
- **Tank Cap:** Secures the opening of the tank.
- **Filter:** Located inside the tank opening to prevent debris from entering the system.

Setup

Follow these steps to assemble and prepare your sprayer for use:

1. **Attach Shoulder Straps:** Securely attach the shoulder straps to the designated points on the backpack tank. Adjust them for a comfortable fit that evenly distributes the weight.
2. **Connect Hose:** Connect one end of the hose to the outlet on the sprayer tank and the other end to the trigger handle of the lance. Ensure all connections are tight to prevent leaks.
3. **Assemble Lance:** Attach the stainless steel lance to the trigger handle. Select the desired nozzle and screw it onto the end of the lance.
4. **Inspect Filter:** Ensure the filter is properly seated inside the tank opening to prevent debris from entering the pump mechanism.

Operating Instructions

Proper operation ensures efficient and safe application of liquids.

1. Filling the Tank



Image: Tank cap.



Image: Filter inside the tank opening.

1. Unscrew the tank cap.
2. Ensure the internal filter is clean and in place.
3. Carefully pour the desired liquid into the 16-liter tank, observing the maximum fill line. Avoid overfilling.
4. Securely screw the tank cap back on to prevent leaks.

2. Building Pressure

With the tank filled and sealed, operate the pump handle to build pressure. The 45mm piston ensures a constant flow. Pump until you feel resistance, indicating sufficient pressure has been built.

3. Selecting Nozzles and Spray Modes



Image: Assortment of interchangeable nozzles.

The sprayer comes with multiple nozzles to suit different applications:

- **Double Cone Nozzle:** Ideal for broad coverage.
- **Fan Cone Nozzle:** Provides a flat, even spray pattern for consistent application.
- **Adjustable 4-Hole Nozzle:** Allows for fine-tuning of the spray pattern from a fine mist to a direct stream.

To change nozzles, unscrew the current nozzle from the lance and screw on the desired one. Ensure it is tightened securely.

4. Spraying



Image: User spraying a tree with the backpack sprayer.



Image: User spraying garden plants with the backpack sprayer.

The sprayer offers two pressure modes:

- **Open Pressure (1.4 ± 0.2 bar):** For continuous spray in large areas.
- **Closed Pressure (1 ± 0.15 bar):** For even distribution during precise work.

To spray, press the trigger on the lance handle. Maintain consistent pumping to sustain the desired pressure and spray pattern. The sprayer is designed to maintain constant internal pressure for even application.

Maintenance

Regular maintenance extends the life of your sprayer and ensures optimal performance.

1. **Clean After Each Use:** After each use, empty any remaining liquid from the tank. Rinse the tank thoroughly with clean water. Pump clean water through the hose and lance to flush out any chemical residue. This prevents clogging and corrosion.
2. **Clean Nozzles:** Remove nozzles and clean them separately to ensure they are free from blockages. Use a soft brush if necessary.
3. **Inspect Seals and Connections:** Regularly check all seals, O-rings, and connections for wear or damage. Replace any worn parts to prevent leaks.
4. **Lubricate Moving Parts:** Periodically lubricate the pump piston and other moving parts with a silicone-based lubricant suitable for sprayer components.
5. **Storage:** Store the sprayer in a clean, dry, and frost-free environment, away from direct sunlight and out of reach of children. Ensure the tank is empty and clean before storage.

Troubleshooting

If you encounter issues with your sprayer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No pressure or low pressure	<ul style="list-style-type: none"> • Tank cap not sealed properly • Worn or damaged pump seals/O-rings • Clogged filter or nozzle • Insufficient pumping 	<ul style="list-style-type: none"> • Tighten tank cap • Inspect and replace seals/O-rings • Clean filter and nozzle • Pump more vigorously
Uneven spray pattern	<ul style="list-style-type: none"> • Clogged nozzle • Incorrect nozzle selection • Inconsistent pressure 	<ul style="list-style-type: none"> • Clean or replace nozzle • Select appropriate nozzle for the task • Maintain consistent pumping
Leaks from tank or connections	<ul style="list-style-type: none"> • Loose connections • Damaged seals/O-rings • Cracked tank 	<ul style="list-style-type: none"> • Tighten all connections • Inspect and replace seals/O-rings • If tank is cracked, discontinue use and replace unit
Pump handle difficult to operate	<ul style="list-style-type: none"> • Lack of lubrication • Debris in pump mechanism 	<ul style="list-style-type: none"> • Lubricate pump piston • Disassemble and clean pump mechanism

Specifications

- **Brand:** Goodyear
- **Model Number:** Parent Pulverizador
- **Tank Volume:** 16 Litres
- **Product Dimensions:** 19 x 19 x 52 cm
- **Item Weight:** 2.7 Kilograms
- **Material (Lance):** Stainless Steel
- **Colour:** Blue
- **Style:** Manual
- **Power Source:** Hand Powered
- **Open Pressure:** 1.4 ± 0.2 bar
- **Closed Pressure:** 1 ± 0.15 bar
- **Maximum Nozzle Pressure:** 3 bar
- **Piston Diameter:** 45mm
- **Recommended Uses:** Gardening, Agriculture, Industrial Cleaning

Warranty and Support

For specific warranty information, please refer to the documentation included with your purchase. If you require technical assistance, replacement parts, or have questions not covered in this manual, please contact

Goodyear customer service through their official channels.