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Roundup 190314

Roundup 190314 Backpack Sprayer

INSTRUCTION MANUAL

Product Overview

The Roundup 190314 Backpack Sprayer is designed for efficient application of various liquids, including fertilizers, herbicides, weed killers, and insecticides. Its 4-gallon capacity and ergonomic design make it suitable for a range of gardening and lawn care tasks. Key features include a large piston pump for quick pressurization, Viton seals for chemical resistance, and a heavy-duty, non-corrosive wand.



Image: The Roundup 190314 Backpack Sprayer being worn by a person, demonstrating its ergonomic design and how it sits on the back.

- 4-Gallon capacity for extensive spraying tasks.
- Heavy-duty poly wand with a comfort grip shut-off, lock for continuous spraying, and an in-line filter to prevent clogging.
- Viton seals and gaskets throughout the pump and shut-off ensure long-lasting chemical resistance.
- Adjustable padded straps with a waist belt and built-in lumbar support for user comfort.
- Includes 3 versatile nozzles: poly adjustable, high volume fan, and low volume fan.

Safety Information

Always prioritize safety when using the Roundup 190314 Backpack Sprayer. Follow these guidelines to

prevent injury or exposure:

- Use with caution when handling chemicals.
- Avoid direct contact with skin and eyes.
- Wear appropriate protective clothing, gloves, and eye protection.
- Ensure proper ventilation when mixing or applying chemicals.
- Read and follow all instructions and safety warnings on the chemical product labels you are using.
- Keep out of reach of children and pets.

Setup

Before first use, assemble the sprayer components according to the included diagrams. Ensure all connections are secure to prevent leaks.

1. **Attach the Hose and Wand:** Connect the spray hose to the tank outlet and the wand to the hose handle. Tighten all connections firmly.
2. **Install the Pump Handle:** Insert the pump handle into its designated slot on the side of the sprayer. The handle can be reversed for left- or right-handed use.
3. **Adjust Shoulder Straps:** Place the sprayer on your back and adjust the padded shoulder straps, waist belt, and chest cinch strap for a comfortable and secure fit.
4. **Select Nozzle:** Choose the appropriate nozzle (poly adjustable, high volume fan, or low volume fan) for your application and attach it to the end of the wand.





Image: An assembled Roundup 190314 Backpack Sprayer, showing the tank, straps, and attached wand with a nozzle.

Filling the Tank

To fill the sprayer, unscrew the large cap on top of the tank. The tank opening includes a basket filter to prevent debris from entering. Pour your desired liquid (fertilizer, herbicide, etc.) into the tank, then add water if dilution is required, following the chemical product's instructions. Securely replace the cap.

Video: A user demonstrates filling the Roundup 190314 Backpack Sprayer and preparing it for use, highlighting the ease of access and secure cap.

Operating Instructions

1. **Pressurize the Tank:** With the sprayer on your back, use the pump handle to build pressure in the tank. Pump the handle up and down several times until you feel resistance.
2. **Begin Spraying:** Aim the wand at the target area. Squeeze the shut-off handle to begin spraying. The shut-off features a comfort grip and a lock for continuous spraying to reduce hand fatigue.
3. **Maintain Pressure:** Continue to pump the handle periodically while spraying to maintain consistent pressure and spray pattern.

4. **Adjust Spray Pattern:** If using the poly adjustable nozzle, twist the nozzle tip to change the spray pattern from a solid stream to a fine mist.



Image: A close-up view of the sprayer's shut-off valve and handle, showing the ergonomic design and trigger mechanism.



Image: A selection of the different nozzles provided with the sprayer, including poly adjustable, high volume fan, and low volume fan.

Video: A user demonstrates the Roundup 190314 Backpack Sprayer in action, showing how to pump and spray effectively for weed control.

Video: A user demonstrates the comfort and ease of use of the Roundup 190314 Backpack Sprayer, highlighting its suitability for various body types.

Maintenance

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

- **Cleaning After Use:** After each use, thoroughly rinse the tank, hose, and wand with clean water. Pump clean water through the system to flush out any chemical residue.
- **Check Seals and Gaskets:** Periodically inspect the Viton seals and gaskets for wear or damage. Replace them if necessary to maintain a leak-free operation and proper pressure.
- **Clean In-line Filter:** The shut-off features a removable in-line filter. Regularly remove and clean this filter to prevent clogging and ensure a consistent spray.
- **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.

Troubleshooting

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

Problem	Possible Cause	Solution
No spray or weak spray	Low tank pressure, clogged nozzle, clogged filter, damaged seals.	Pump handle more to build pressure. Clean or replace nozzle. Clean in-line filter. Inspect and replace seals/gaskets.
Leaking from connections	Loose connections, worn O-rings or seals.	Tighten all connections. Inspect and replace O-rings or seals as needed.
Pump handle difficult to operate	Debris in pump cylinder, dry pump cup.	Disassemble and clean pump. Lubricate pump cup with silicone grease.

Specifications

Feature	Detail
Brand	Roundup
Model Name	Roundup 190314 Backpack Sprayer
Model Number	190314
Tank Volume	4 Gallons
Material	Polyethylene (PE)
Power Source	Manual
Maximum Pressure	150 PSI
Item Weight	10 Pounds
Item Dimensions (W x H)	15"W x 22"H
UPC	841688002395

Warranty and Support

For detailed warranty information and customer support, please refer to the documentation included with your product or visit the official Roundup website. Keep your purchase receipt as proof of purchase for any warranty claims.