

[Manuals.plus](#) /

› [HUIWOSEN](#) /

› HUIWOSEN 20L Backpack Manual Agricultural Sprayer User Manual

HUIWOSEN 1005004628038531

HUIWOSEN 20L Backpack Manual Agricultural Sprayer User Manual

Model: 1005004628038531

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. SETUP

1.1 Unpacking and Component Check

Carefully unpack all components from the packaging. Verify that all parts are present and undamaged. Refer to the image below for a visual guide of the components.



20 liters new manual sprayer

Image 1.1: All components of the HUIWOSEN 20L Backpack Manual Agricultural Sprayer, including the main tank, pump handle, spray wand, hose, and various nozzles, laid out for inspection.

1.2 Assembly Instructions

1. **Attach the Hose:** Connect one end of the thickened cold-resistant hose to the outlet port on the sprayer tank and the other end to the spray wand handle. Ensure connections are secure to prevent leaks.
2. **Install the Pump Handle:** Insert the pump handle into its designated slot on the side of the sprayer. Secure it firmly.
3. **Assemble the Spray Wand:** Attach the desired nozzle to the end of the spray wand. Ensure it is tightened properly.
4. **Attach Shoulder Straps:** Connect the comfort harness shoulder straps to the designated attachment points on the sprayer tank. Adjust the straps for a comfortable fit, ensuring the sprayer sits securely on your back.



Image 1.2: The HUIWOSEN 20L Backpack Manual Agricultural Sprayer fully assembled and ready for use.

2. OPERATING INSTRUCTIONS

2.1 Filling the Tank

1. Ensure the sprayer is on a stable, level surface.
2. Unscrew the tank lid.
3. Carefully pour the desired liquid (pesticide, fertilizer, water, etc.) into the tank. Do not exceed the maximum fill line.
4. Securely screw the tank lid back on to prevent leaks and maintain pressure.

2.2 Building Pressure

1. Place the backpack sprayer on your back, adjusting the comfort harness for a secure and balanced fit.
2. Operate the pump handle with steady, consistent strokes. This action compresses air inside the tank, building pressure.
3. Continue pumping until you feel resistance or hear the pressure relief valve activate (if equipped). The operating pressure range is typically 0.2-0.3 MPa.

2.3 Spraying

1. Once pressure is built, aim the spray wand at the target area.
2. Press the trigger on the spray wand handle to release the liquid.
3. Adjust the nozzle to achieve the desired spray pattern (e.g., fine mist, stream).
4. Maintain consistent pumping during operation to sustain adequate spray pressure.

3. MAINTENANCE

3.1 Cleaning After Use

1. After each use, empty any remaining liquid from the tank.
2. Rinse the tank thoroughly with clean water. Pump clean water through the hose and spray wand until all chemical residue is flushed out.
3. Clean the nozzle and filter (if present) to prevent clogging.
4. Allow all components to air dry completely before storage.

3.2 Storage

Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures. Ensure the tank is empty and clean. Do not store with pressure in the tank.

3.3 Regular Checks

Periodically inspect the hose, seals, and connections for any signs of wear, cracks, or leaks. Replace damaged parts immediately to ensure safe and efficient operation.

4. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No pressure or low pressure	Loose tank lid; Worn pump seals; Clogged nozzle/filter; Insufficient pumping	Tighten tank lid; Inspect and replace pump seals; Clean nozzle and filter; Pump more vigorously
Uneven spray pattern	Clogged nozzle; Damaged nozzle	Clean nozzle thoroughly; Replace damaged nozzle
Leaks from tank or hose	Loose connections; Damaged hose/seals; Cracked tank	Tighten all connections; Inspect and replace hose/seals; If tank is cracked, discontinue use and replace sprayer
Pump handle difficult to operate	Dry pump seals; Debris in pump mechanism	Lubricate pump seals with silicone grease; Clean pump mechanism

5. SPECIFICATIONS

- **Product Name:** Manual Backpack Sprayer
- **Brand:** HUIWOSEN
- **Model Number:** 1005004628038531
- **Capacity:** 20 Liters (20L)
- **Product Material:** Thickened PP Plastic
- **Operating Pressure:** 0.2 - 0.3 MPa
- **Item Weight:** Approximately 3.0 kg (6.61 pounds)
- **Hose Type:** Thickened cold-resistant hose
- **Piston Cylinder:** Stainless steel
- **Usage:** Pesticide spraying, landscaping, vegetable watering, general gardening tasks

6. WARRANTY & SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the retailer where the product was acquired. Keep your purchase receipt as proof of purchase.

For further assistance, you may also visit the official HUIWOSEN website or contact their customer service department directly. Please have your model number (1005004628038531) ready when contacting support.

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