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> [STIHL SG20 Backpack Sprayer Instruction Manual](#)

Stihl SG20

STIHL SG20 Backpack Sprayer Instruction Manual

Model: SG20 | Brand: Stihl

PRODUCT OVERVIEW

The STIHL SG20 Backpack Sprayer is designed for efficient and comfortable application of liquids such as insecticides, herbicides, and other solutions. Its ergonomic design and durable construction make it suitable for various outdoor tasks. This manual provides essential information for safe and effective use.

Key Features

- 4.75 Gallon Tank Capacity
- Hand-Powered Pump Mechanism
- Adjustable Nozzle for varied spray patterns
- Comfortable Backpack Harness
- Integrated Strainer to prevent clogging

SAFETY GUIDELINES

Always prioritize safety when operating the STIHL SG20 Backpack Sprayer.

- Always wear appropriate protective clothing and eye/face protection when using this product.
- Keep the sprayer upright and do not overfill the tank.
- Never point the nozzle at people or animals.
- After use, clean and store the sprayer properly to prevent chemical exposure or damage.
- Always follow the manufacturer's instructions for safe operation and maintenance.
- Read all chemical labels carefully before use and follow their specific safety instructions.

SETUP INSTRUCTIONS

1. Filling the Tank

To fill the sprayer, unlatch and remove the orange cap on top of the tank. The tank has a built-in strainer to prevent solids from entering and clogging the system. Pour your desired liquid solution into the tank,

ensuring not to overfill. Securely re-attach the cap.



Image: The STIHL SG20 Backpack Sprayer showing the main tank and pump handle.



Image: Close-up of the STIHL SG20 tank opening with the orange cap removed, revealing the internal strainer designed to filter liquids.

2. Adjusting the Harness

The SG20 features a comfortable backpack harness with adjustable straps. Place the sprayer on your back and adjust the shoulder straps for a snug and comfortable fit. Proper adjustment helps distribute the weight evenly and reduces strain during use.



Image: Rear view of the STIHL SG20 Backpack Sprayer, highlighting the padded, adjustable shoulder straps for ergonomic carrying.

OPERATING THE SPRAYER

1. Pumping for Pressure

To build pressure for spraying, use the pump handle located on the side of the unit. Pump the handle up and down several times until you feel resistance, indicating sufficient pressure has been built. The SG20 is designed to maintain pressure, so continuous pumping may not be necessary during spraying.

2. Spraying

Once pressurized, aim the spray wand at the target area and press the trigger on the handle to release the liquid.

3. Adjusting the Nozzle

The spray nozzle is adjustable to provide different spray patterns, from a fine mist to a direct stream. Rotate the nozzle tip to achieve the desired spray pattern for your application.

Official Product Video: STIHL SG20 Backpack Sprayer Overview

Your browser does not support the video tag.

Video: This video provides a brief overview of the STIHL SG20 Backpack Sprayer, demonstrating its features and basic operation.

MAINTENANCE AND STORAGE

1. Cleaning After Use

After each use, thoroughly clean the sprayer. Empty any remaining liquid from the tank. Rinse the tank, pump, and spray wand with clean water. Operate the sprayer with clean water to flush out any chemical residue from the hose and nozzle. This prevents clogging and extends the life of the sprayer.

2. Proper 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

No Pressure or Weak Spray

- Check if the tank cap is securely tightened. A loose cap can prevent pressure buildup.
- Ensure the pump mechanism is operating correctly and building sufficient pressure.
- Inspect the nozzle for clogs. Clean the nozzle by rotating it or removing it for thorough rinsing.
- Check the hose for kinks or blockages.

Leaks

- Verify all connections (hose to tank, hose to wand) are tight.
- Inspect O-rings and seals for wear or damage. Replace if necessary.

PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Stihl
Model Number	SG20
Tank Volume	4.75 Gallons
Material	Plastic, Stainless Steel
Style	Knapsack
Power Source	Hand Powered
Maximum Pressure	40 Pound per Square Inch

Item Weight	14.82 pounds
Package Dimensions	22 x 17.8 x 8.9 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official Stihl website or contact an authorized Stihl dealer. Keep your purchase receipt as proof of ownership.