NorthStar 282585.NOR

NorthStar Tow-Behind Trailer Boom Broadcast and Spot Sprayer User Manual

Model: 282585.NOR

Introduction

This manual provides detailed instructions for the safe and efficient operation, setup, and maintenance of your NorthStar Tow-Behind Trailer Boom Broadcast and Spot Sprayer. Designed for large-area coverage and precise spot treatment, this 101-gallon capacity sprayer delivers up to 7.0 GPM open flow and 60 PSI max for quick and effective application of various liquids. Please read this manual thoroughly before using the product.

Safety Information

Always prioritize safety when operating the sprayer. Wear appropriate personal protective equipment (PPE) including eye protection, gloves, and respiratory protection as recommended by the chemical manufacturer. Ensure the sprayer is securely attached to your towing vehicle before operation. Do not exceed the recommended operating pressure. Keep children and pets away from the spraying area. Always follow the chemical manufacturer's instructions for mixing, application, and disposal.

Setup

Assembly

The NorthStar Tow-Behind Trailer Boom Broadcast and Spot Sprayer requires some assembly. Refer to the included assembly guide for step-by-step instructions. Ensure all connections are secure and hoses are properly routed before filling the tank or operating the unit.



Figure 1: Fully assembled NorthStar Tow-Behind Trailer Boom Broadcast and Spot Sprayer.

Connecting to Tow Vehicle

Attach the sprayer to your ATV or lawn and garden tractor using a suitable coupler (sold separately). The heavy-duty steel cart with pneumatic wheels is designed to handle various terrains. Ensure the electrical connection for the pump is securely made to your vehicle's 12V DC power source.



Figure 2: The sprayer easily connects to an ATV for towing across various terrains.

Filling the Tank

Before filling, ensure the sprayer is on a level surface. Open the tank lid and carefully pour the desired liquid into the 101-gallon polymer tank. The tank features extra-thick walls for chemical and UV resistance. Always mix chemicals according to manufacturer specifications.



Figure 3: Filling the 101-gallon capacity tank with liquid.

Operating

Broadcast Spraying

For wide-area coverage, engage the 13ft. boom. The boom provides a 15ft. broadcast pattern. You can control the flow from the left, right, and center sections of the steel boom for precise application. The high-flow NorthStar NSQ Series pump delivers 7.0 GPM and 60 PSI max, ensuring efficient spraying.



Figure 4: The sprayer operating in broadcast mode, covering a wide area.

Spot Spraying

Utilize the deluxe trigger spray gun for targeted spot spraying. The sprayer provides a vertical spray height of up to 24ft. max and a horizontal spray distance of up to 36ft. max, allowing you to reach difficult areas. The built-in regulator and pressure gauge allow for fine-tuning of spray pressure.



Figure 5: A user demonstrating spot spraying with the handheld gun.

Official Product Video

Video 1: Overview of the NorthStar Tow-Behind Trailer Boom Broadcast and Spot Sprayer, demonstrating its features and operation.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your sprayer. After each use, thoroughly rinse the tank, pump, hoses, and nozzles with clean water to prevent chemical buildup and corrosion. For long-term storage, drain all liquids and store the sprayer in a dry, protected area. Inspect hoses and connections periodically for wear or damage and replace as needed.



Figure 6: The NorthStar NSQ Series pump, which should be regularly inspected and cleaned.

Troubleshooting

Low Pressure or No Spray

- Check the power connection to the pump. Ensure it is secure and receiving 12V DC.
- Verify the tank has sufficient liquid.
- Inspect the intake filter for clogs and clean if necessary.
- Check for kinks or blockages in the hoses.
- Clean the nozzles, as they can become clogged with debris or dried chemicals.
- Ensure the pressure regulator is set correctly.

Leaking

- Tighten all hose clamps and connections.
- Inspect hoses and fittings for cracks or damage and replace any faulty components.

Specifications

Feature	Specification
Brand	NorthStar
Model Number	282585.NOR
Tank Volume	101 Gallons (Polymer)
Pump Type	NorthStar NSQ Series
Open Flow	7.0 GPM
Maximum Pressure	60 PSI
Power Source	12V DC (Battery Powered)
Boom Length	13 ft.
Broadcast Pattern	15 ft.
Vertical Spray Height	Up to 24 ft. max
Horizontal Spray Distance	Up to 36 ft. max
Included Components	Deluxe trigger spray gun, 9 nozzles, 13ft. boom, 21ft. hose
Item Weight	301 Pounds
Package Dimensions	51.5 x 46 x 32 inches

Warranty and Support

For warranty information or technical support, please contact NorthStar customer service. Keep your purchase receipt and model number (282585.NOR) readily available when contacting support. You can find more information and contact details on the official NorthStar website or through your product retailer.

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.

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Question

Example: How do I reset this device or fix this error?

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