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> Charles Walters Equipment CW2800S Broadcast Spreader Instruction Manual

Charles Walters CW2800S

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Model: CW2800S

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, assembly, and maintenance of your Charles Walters Equipment CW2800S Landscape Rated Broadcast Spreader. Please read this manual thoroughly before using the product and retain it for future reference.

The CW2800S broadcast spreader is designed for distributing various granular materials such as fertilizer, seed, and ice melt over lawns, walkways, and driveways. It features an 80lb capacity hopper and a durable stainless steel frame.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage:

- Read and understand all instructions before operation.
- Wear appropriate personal protective equipment, such as gloves and eye protection, when handling materials.
- Ensure the spreader is stable on level ground before loading or unloading materials.
- Do not overload the hopper beyond its 80lb capacity.
- Keep children and pets away from the operating area.
- Clean the spreader thoroughly after each use to prevent corrosion and material buildup.
- When spreading rock salt or de-icer, ensure the Winter Material Plate is correctly installed.

3. PRODUCT OVERVIEW

The Charles Walters Equipment CW2800S is a robust broadcast spreader designed for efficient material distribution.

Key Features:

- **80lb Capacity Hopper:** Holds a substantial amount of material for fewer refills.
- **Stainless Steel Frame:** Provides durability and corrosion resistance.
- **12-inch Pneumatic Tires:** Designed for smooth operation over various terrains.
- **Dual Agitation System:** Ensures continuous material flow and prevents clogging.
- **Adjustable Rate Control:** Allows precise adjustment of spread rate from 1 to 20.
- **Interchangeable Material Plates:** Includes both a Standard Material Plate for general use and a Winter Material Plate for high-output spreading of salts and de-icers.

Components:



Figure 3.1: Overall view of the Charles Walters Equipment CW2800S Broadcast Spreader, showcasing its blue hopper, stainless steel frame, and large pneumatic tires.



Figure 3.2: Top-down view of the spreader's hopper, illustrating its large capacity for up to 80 pounds of material.



Figure 3.3: Detailed view of key components including the rate control lever, 9.4-inch four-fin impeller, enclosed composite gearbox, and 12-inch pneumatic tires.



Figure 3.4: Illustration of the spider agitator, designed to prevent clumping and ensure smooth material flow with its oscillating motion and dual-teeth design.



Figure 3.5: The Standard Material Plate, featuring a 3-hole drop mechanism and border control, suitable for grass seed, fertilizers, and seed mulch.



Figure 3.6: The Winter Material Plate, featuring a larger one-hole drop aperture for efficient spreading of grit, salt, and ice melt.

4. ASSEMBLY INSTRUCTIONS

The Charles Walters Equipment CW2800S spreader requires some assembly before first use. Please refer to the separate assembly guide included in the product packaging for detailed, step-by-step instructions. Ensure all components are securely fastened before operation.

5. OPERATION INSTRUCTIONS

5.1 Loading Material

1. Ensure the spreader is on a level surface and the flow control is in the closed position.
2. Carefully pour the desired granular material into the hopper. Do not exceed the 80lb capacity.
3. For best results, break up any large clumps of material before loading to prevent jamming.

5.2 Rate Control and Spread Width

The spreader features an adjustable-rate control from a 1 to 20 scale, allowing you to fine-tune the material flow. An adjustment plate is included for left and right pattern adjustment, providing a spread width of approximately 20 feet.

- Adjust the rate control lever to the desired setting based on the material and application requirements.
- Test the spread pattern and rate in a small area to ensure optimal distribution before covering the main area.

5.3 Spreading Techniques

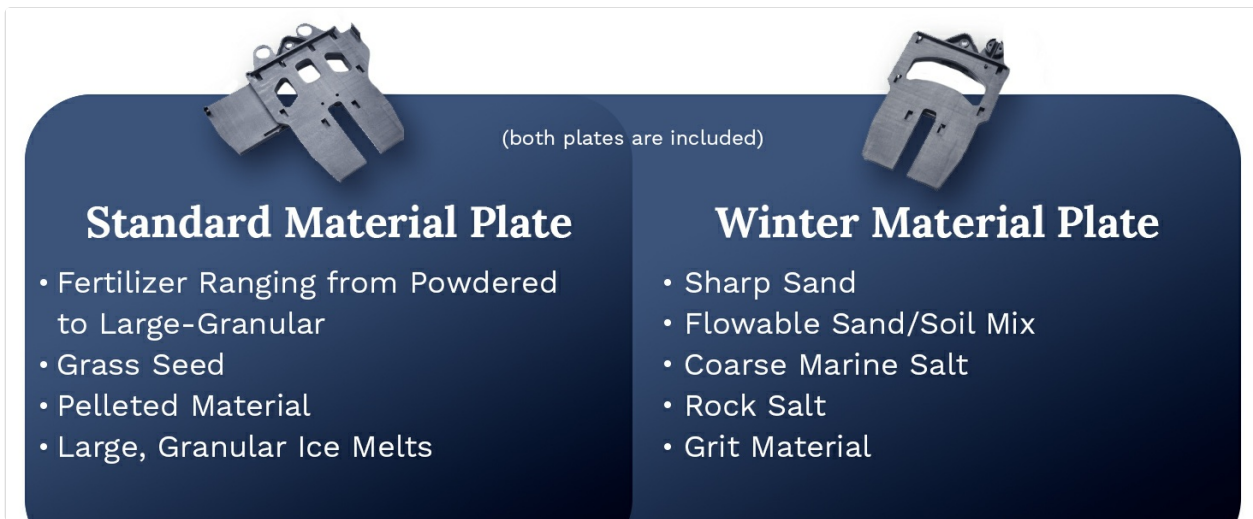


Figure 5.1: Diagrams illustrating two common spreading techniques for even material distribution.

Technique 1 (Left Diagram):

- Use half the application rate suggested on the back of your fertilizer bag.
- Cover the area by passing over it in an up and down track, taking into account the spread width of the material being applied.

Technique 2 (Right Diagram):

- Use half the application rate suggested on the back of your fertilizer bag.
- Cover the area as shown, repeating by a second pass in the same manner going across the area as shown in the diagram.

5.4 Winter Spreading

The CW2800S is suitable for year-round use, including spreading de-icing materials in colder months. It includes a dedicated Winter Material Plate for this purpose.



Figure 5.2: The CW2800S spreader being used to distribute de-icing material on a snowy surface, demonstrating its

versatility.



Figure 5.3: Comparison of the Standard Material Plate and the Winter Material Plate, highlighting suitable materials for each.

Important: Rock salt should only be used with the Winter Material Plate installed. This plate provides high output and reduces spread width, optimizing performance for salts and de-icers.

6. MAINTENANCE

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

- **Cleaning:** After each use, thoroughly clean the hopper, agitator, and spreading mechanism to remove any residual material. Rinse with water and allow to dry completely to prevent corrosion.
- **Lubrication:** Periodically check and lubricate moving parts, such as the axle and gearbox, according to the manufacturer's recommendations.
- **Inspection:** Regularly inspect the frame, wheels, and all fasteners for wear, damage, or looseness. Tighten any loose fasteners and replace damaged parts as needed.

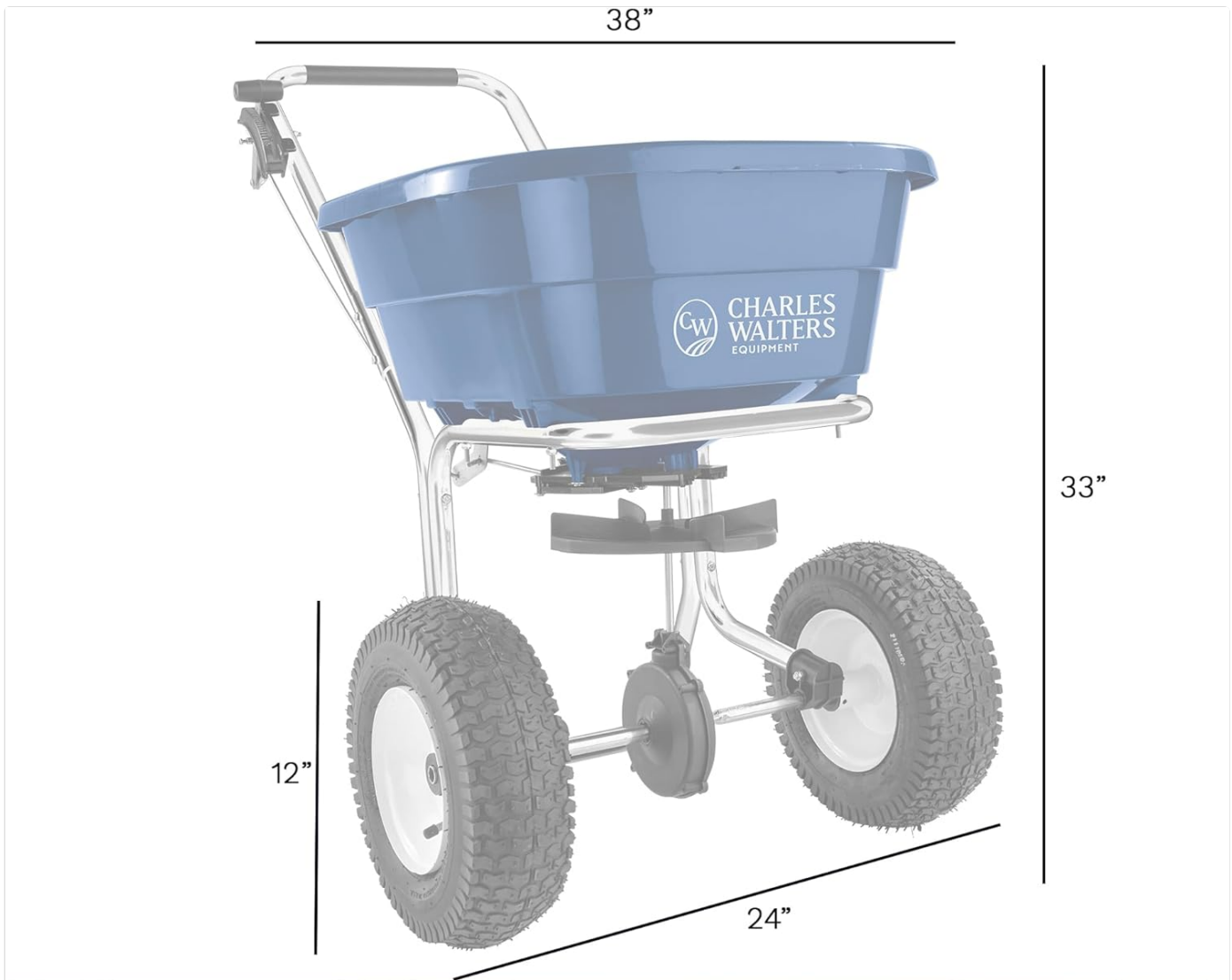
7. STORAGE

When not in use, store the spreader in a clean, dry location, protected from direct sunlight and extreme temperatures. Ensure the hopper is empty and clean before storage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Material not flowing or jamming	Lumps in material, clogged agitator, incorrect material plate for material type.	Break up lumps before loading. Clean agitator. Ensure correct material plate is installed (e.g., Winter Plate for rock salt).
Uneven spreading pattern	Incorrect rate control setting, uneven terrain, material buildup on impeller.	Adjust rate control. Ensure even walking speed. Clean impeller and spreading mechanism. Review spreading techniques.
Difficulty rolling	Low tire pressure, debris in wheels/axle, damaged wheel.	Check and inflate tires to recommended pressure. Clear any obstructions. Inspect wheels for damage.

9. SPECIFICATIONS



CW2800S

LANDSCAPE RATED BROADCAST SPREADER

Figure 9.1: Diagram illustrating the key dimensions of the CW2800S spreader: 38 inches length, 24 inches width, 33 inches height, and 12-inch wheels.

Specification	Value
Model	CW2800S
Hopper Capacity	80 lbs
Hopper Dimensions (Approx.)	38" L x 24" W x 33" H
Wheel Size	12 inches (pneumatic)
Spread Width (Approx.)	20 feet
Rate Control Scale	1 to 20
Frame Material	Stainless Steel
Item Weight	22.8 pounds

Specification	Value
Package Dimensions	26 x 25 x 24 inches
Manufacturer	Charles Walters

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Charles Walters Equipment directly. Refer to the product packaging or the official Charles Walters website for contact details. Please have your model number (CW2800S) and purchase information available when contacting support.

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