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John Deere SW07140

John Deere Windrow Hay Moisture Tester (SW07140) User Manual

1. INTRODUCTION

This manual provides essential instructions for the proper setup, operation, and maintenance of your John Deere Windrow Hay Moisture Tester, model SW07140. This device is designed to accurately measure the moisture content of hay in the windrow, helping you determine the optimal time for baling.

2. PRODUCT OVERVIEW

The John Deere Windrow Hay Moisture Tester is a portable, handheld device engineered for ease of use and reliable performance in the field. It provides quick moisture readings to prevent baling hay that is too wet, which can lead to spoilage, or too dry, which can result in leaf shatter and nutrient loss.



Figure 1: John Deere Windrow Hay Moisture Tester in its retail packaging, showing the probe and digital display unit.

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the main unit of the moisture tester.
2. Remove the battery cover.
3. Insert one (1) 9-volt battery, ensuring correct polarity (+/-).
4. Replace the battery cover securely.

3.2 Initial Preparation

Before taking a reading, ensure the hay sample is representative of the windrow. For best results, gather a sample of hay into a five-gallon bucket or similar container to ensure sufficient density for accurate measurement.

4. OPERATING INSTRUCTIONS

4.1 Taking a Moisture Reading

1. Press the power button on the moisture tester to turn it on. The display should illuminate.
2. Insert the probe end of the tester into the hay sample. Ensure the probe is fully submerged and surrounded by hay to get an accurate reading.
3. Hold the tester steady. The device will begin to analyze the moisture content.
4. A reading will typically appear on the digital display within 30 to 60 seconds.
5. Record the moisture percentage displayed.
6. Repeat the process in several different locations within the windrow to obtain an average moisture content, which provides a more reliable assessment.

The tester measures moisture content in a range from 13% to 70% and is accurate to within 2% to 4%.

5. MAINTENANCE

5.1 Cleaning

- After each use, wipe the probe clean with a dry cloth to remove any hay residue or debris.
- Do not use abrasive cleaners or immerse the main unit in water.

5.2 Storage

- Store the moisture tester in a dry, cool place away from direct sunlight and extreme temperatures.
- If storing for an extended period, remove the 9-volt battery to prevent leakage and potential damage to the device.

6. TROUBLESHOOTING

6.1 Common Issues

- **Tester not powering on:** Check if the 9-volt battery is correctly installed and has sufficient charge. Replace the battery if necessary.

- **Inaccurate or inconsistent readings:** Ensure the probe is fully inserted into a dense hay sample. Clean the probe thoroughly to remove any buildup that might interfere with readings. Take multiple readings and average them.
- **Display not working:** Verify battery connection and charge. If the issue persists, contact customer support.

7. SPECIFICATIONS

- **Model:** SW07140
- **Brand:** John Deere
- **Measuring Range:** 13% to 70% moisture
- **Accuracy:** Within 2% to 4%
- **Power Source:** 1 x 9-volt battery
- **Test Time:** 30-60 seconds

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official John Deere website or contact your authorized John Deere dealer. Keep your purchase receipt for warranty claims.