

Self-Calibrating Verification Report



Farmers Mutual Hail
Insurance Company of Iowa

Instructions

Important! Refer to your manufacturer specifications prior to completing this tracking form. For FMH policyholders, maintain an accuracy/calibration report each year to be able to provide proper documentation in the event of a claim. On the reverse side of this form is a log that can be used to capture the monitor displayed weight and the scale weights for each load until the monitor is within 3% accuracy.

This document will help you track the information on self-calibrating monitor systems that is necessary for insurance purposes. This document does not outline the steps for a single or multipoint yield monitor system. For these, please contact your agent for the appropriate calibration form.

Acceptable Scales

1. Non-portable on-farm scales
2. Commercial elevator scales
3. Grain Carts, provided the grain cart meets the specifications outlined in the Loss Adjustment Manual Standards Handbook.

Verification Checklist

- 1. Temperature Calibration**
 - Complete this step once annually.
 - Do not perform temperature calibration when sensor is in direct sunlight.
- 2. Mass Flow Vibration Calibration**
 - Calibrate to manufacturer specifications.
 - Complete this step for each harvested crop.
 - This calibration will be saved in the combine setup under the identified crop. Be sure to select the current crop.
- 3. Moisture Sensor Correction**
 - Complete this step once per season for each harvested crop.
 - Temperature calibration should be completed before this correction. Be sure to set the moisture correction value to 0.0 before beginning the process.
- 4. Weight Accuracy Check**
 - **RMA requires the monitor displayed weight be within 3% accuracy.** To verify the accuracy of the monitor, check the machine displayed weight against another scale source and track on the verification report on the reverse side of this form. If the checked weight is not within the 3% tolerance, continue to weigh loads and track them until the monitor is within the tolerance. Once you are within the tolerance, no further accuracy checks are required for that crop for the remainder of the year.
 - **Difference Percentage Calculation for Weight Accuracy Check**
To determine accuracy, you must calculate the difference percentage. Use the following calculation on the reverse side of this form:
$$100 \times (\text{Machine-Displayed Weight} - \text{Scale-Measured Weight}) \div \text{Scale-Measured Weight} = \text{Difference \%}$$

