FarmTRX™

Moisture Sensor

Quick Start Guide

Congratulations on the purchase of your Moisture Sensor! The sensor connects to the FarmTRX Yield Monitor and installs at the base of a traditional clean grain elevator. Live and average grain moisture readings are displayed using your mobile device.

HOW IT WORKS

Install at the base of the clean grain elevator on the lower door.

Monitor crop moisture while harvesting using the FarmTRX Mobile App.

Review precision moisture maps through the FarmTRX Web App, our cloud-based application.

REGISTER YOUR WEB APP ACCOUNT

If you have not yet registered for a Web App account, you will need to do so to view and export your yield data and maps.

If your farm is located in North America, register at **web.farmtrx.app**

If your farm is located in North America, register at **eu.farmtrx.app**

COMPONENTS OVERVIEW

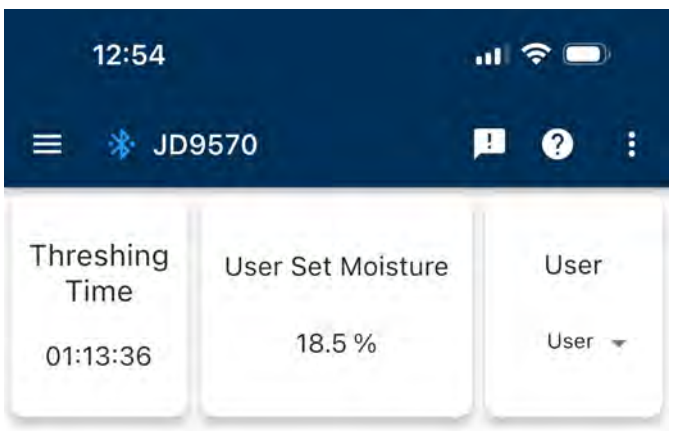
1. Moisture Sensor
    a. Sensor
    b. Stainless Steel Flange
    c. Enclosure
2. Paper cutting template
3. Mounting Hardware
    a. 6-32 Flat Head Screw
    b. 6-32 Locknut with Spring-Lock Washer
    c. 6-32 Nylon-Insert Locknut
    d. #6 Washers

INSTALLATION

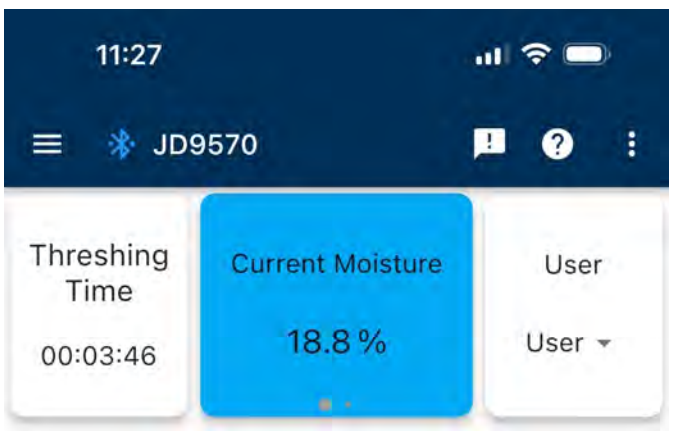
After installing the Yield Monitor, the next step is to install the Moisture Sensor. Find the complete installation manual at **farmtrx.com/documentation**.

OVERVIEW OF USING THE MOISTURE SENSOR

1. Connect your mobile device to the Yield Monitor via Bluetooth®. The Moisture Sensor will automatically gather and send moisture readings to the Yield Monitor Electronic Control Unit (ECU) located in the cab of the combine. On the Live Harvesting screen, the Moisture Tile will become blue and give current moisture readings while the Yield Monitor detects grain flow.

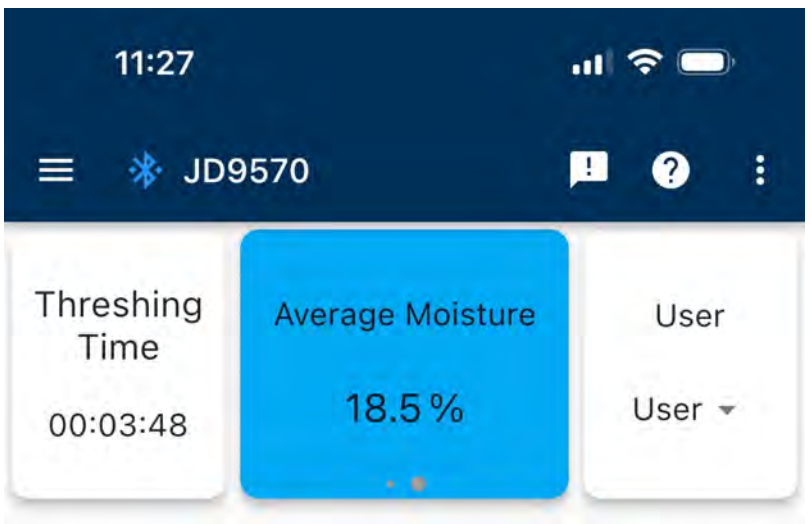


Manually Set Moisture



Current Moisture Readings

Swipe the Moisture Tile from the right to left to change the display to Average sensed moisture. Average moisture represents the moisture values over your current running totals.



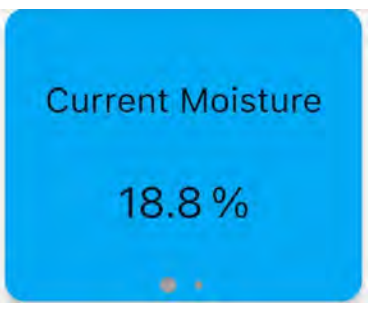
Average Moisture

CALIBRATING THE MOISTURE SENSOR

To calibrate the Moisture Sensor you will need to input an average moisture from a representative, harvested sample.

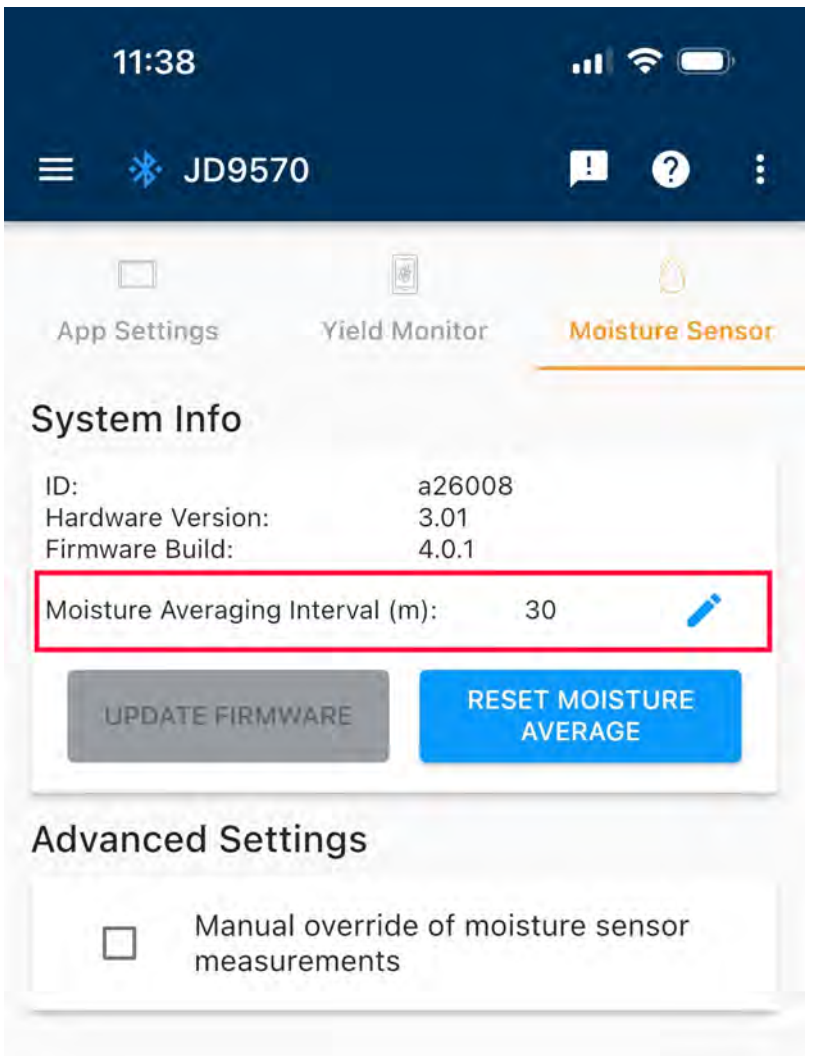
There are two ways to calibrate in the Mobile App:

1. Long-press (hold for 2 seconds) the Moisture Tile on the Live Harvesting Screen:

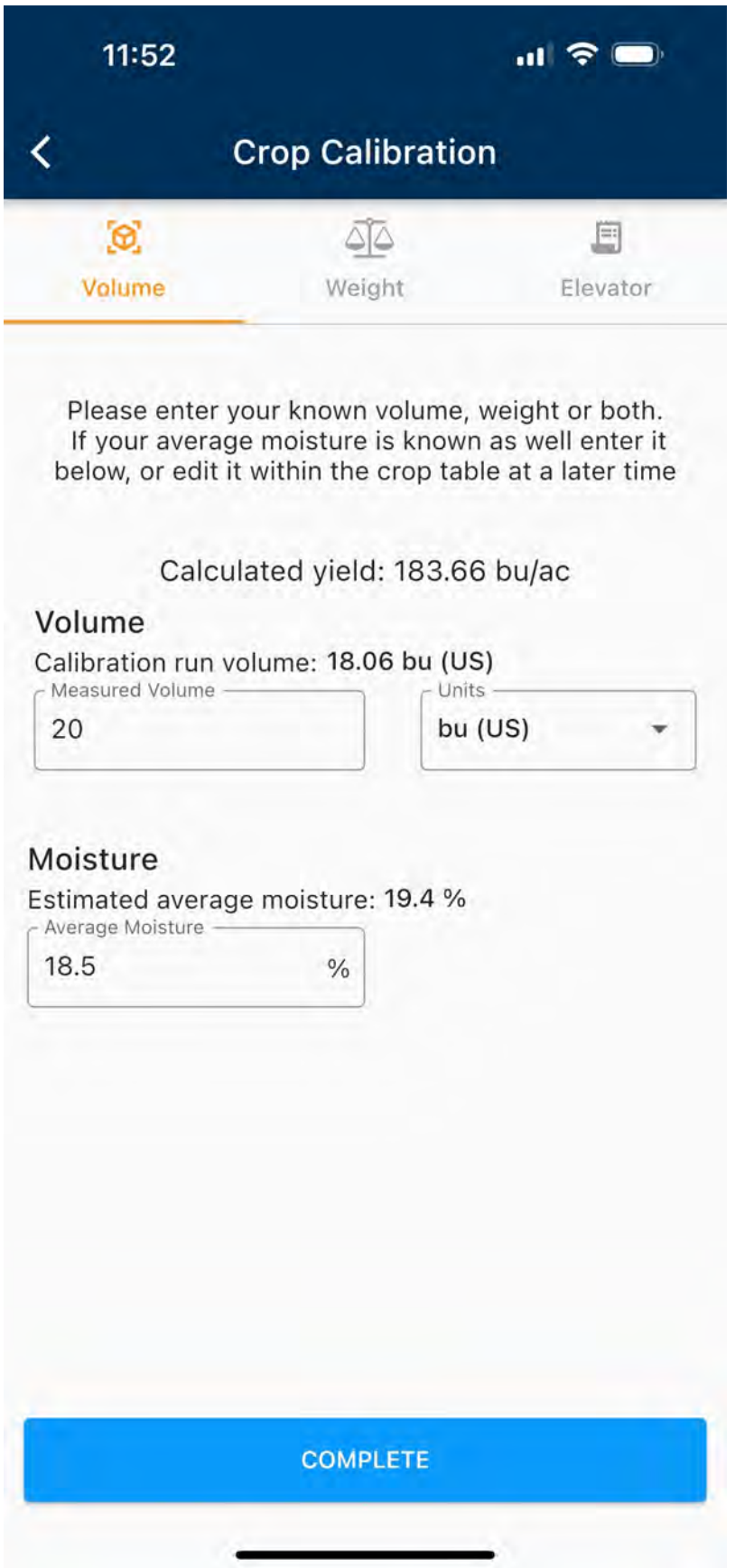


The App will display the average moisture from your trailing 30 minutes of harvesting. Measure the grain sample independently and enter the measured moisture. The App will automatically calculate the moisture offset for that crop type. Press complete to save.

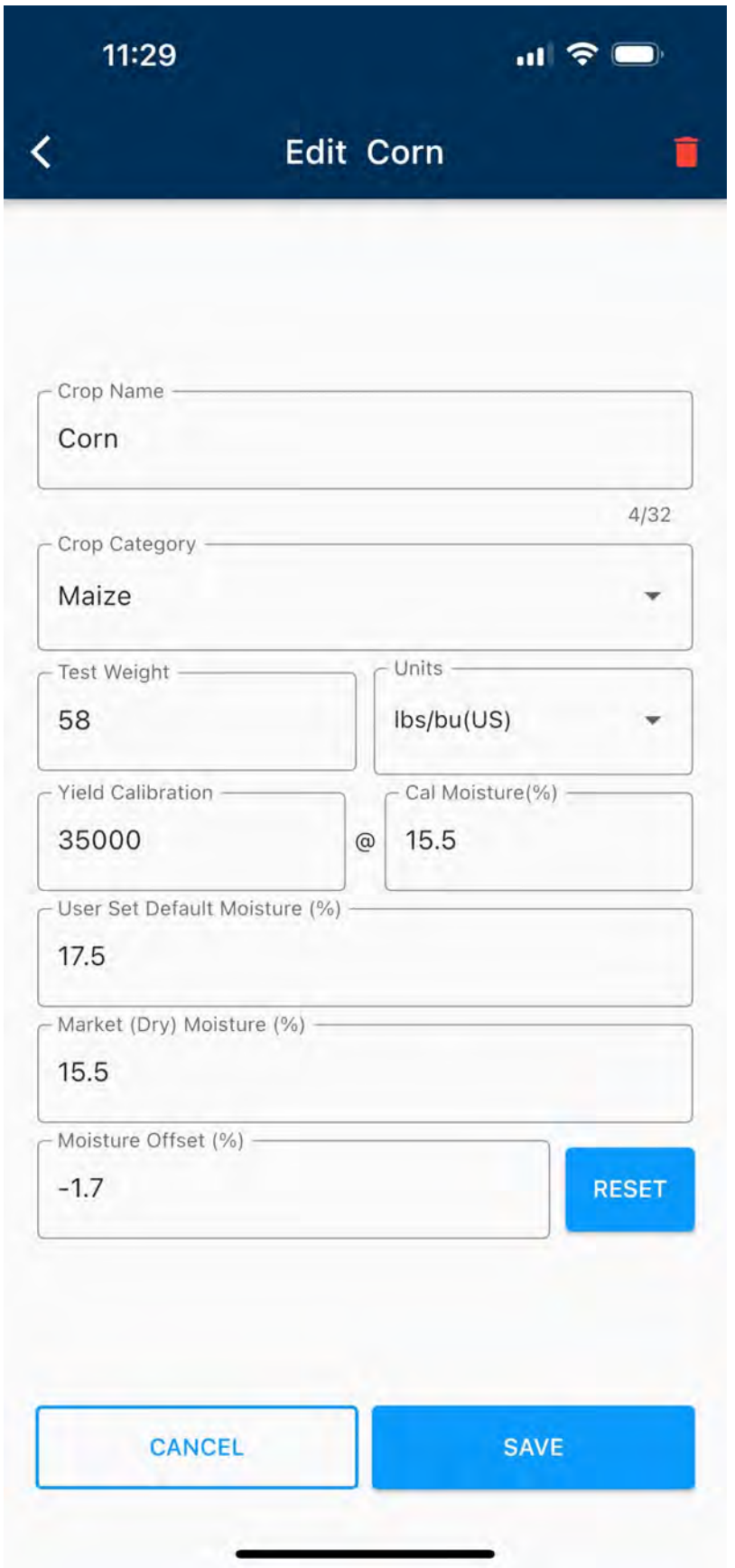
By default, the Moisture Sensor uses a trailing 30-minute average. The time interval can be changed under the Advanced Settings page of the mobile app.



2. You can also calibrate the Moisture Sensor while performing a Yield Crop Calibration. Each of the three yield calibration methods allow you to enter the actual average moisture from that calibration run. This will update the Moisture Sensor offset.



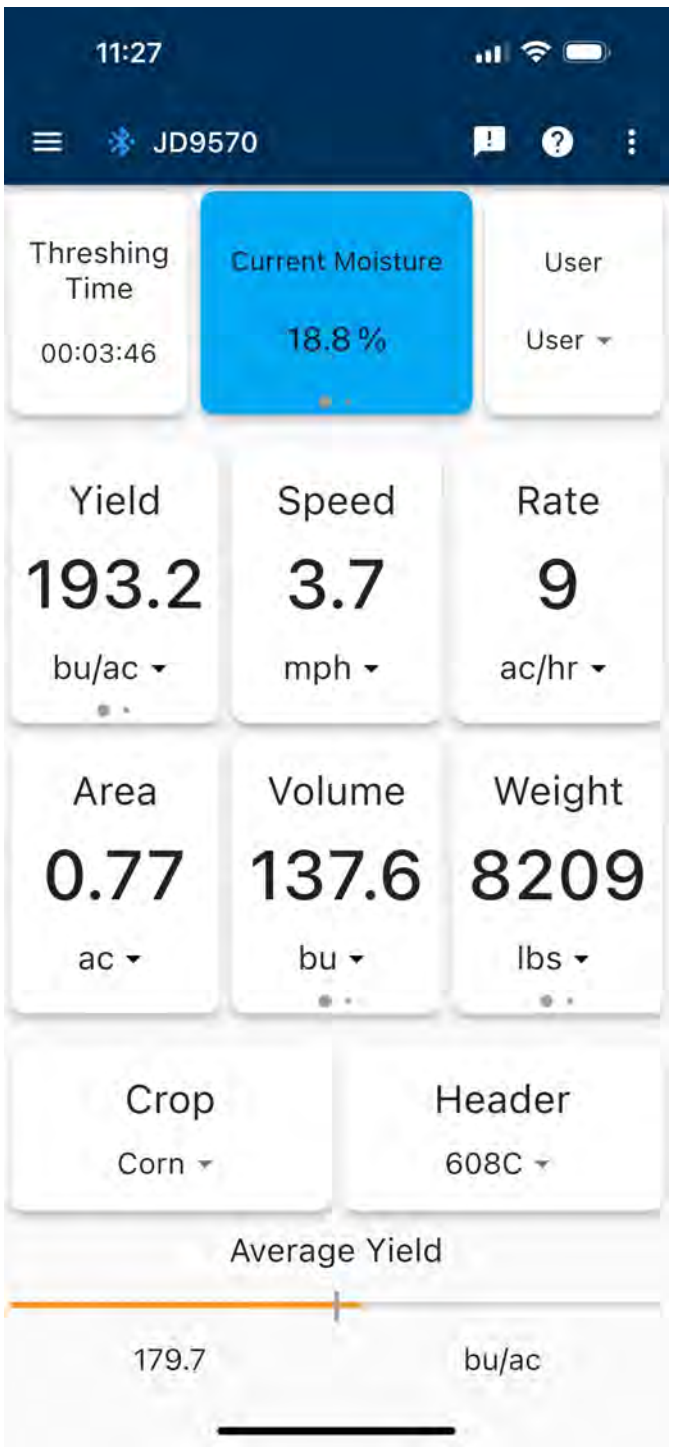
If you want to manually adjust the moisture offset, you can do so in the Add/ Edit Crops page of the Mobile App. Select a crop to edit and enter a custom moisture offset.



Note: For best results, calibrations should be completed in sections of the field that provide a good representation of the crop – avoid areas with heavy weeds and significantly lower yields.

VIEWING DRY YIELD

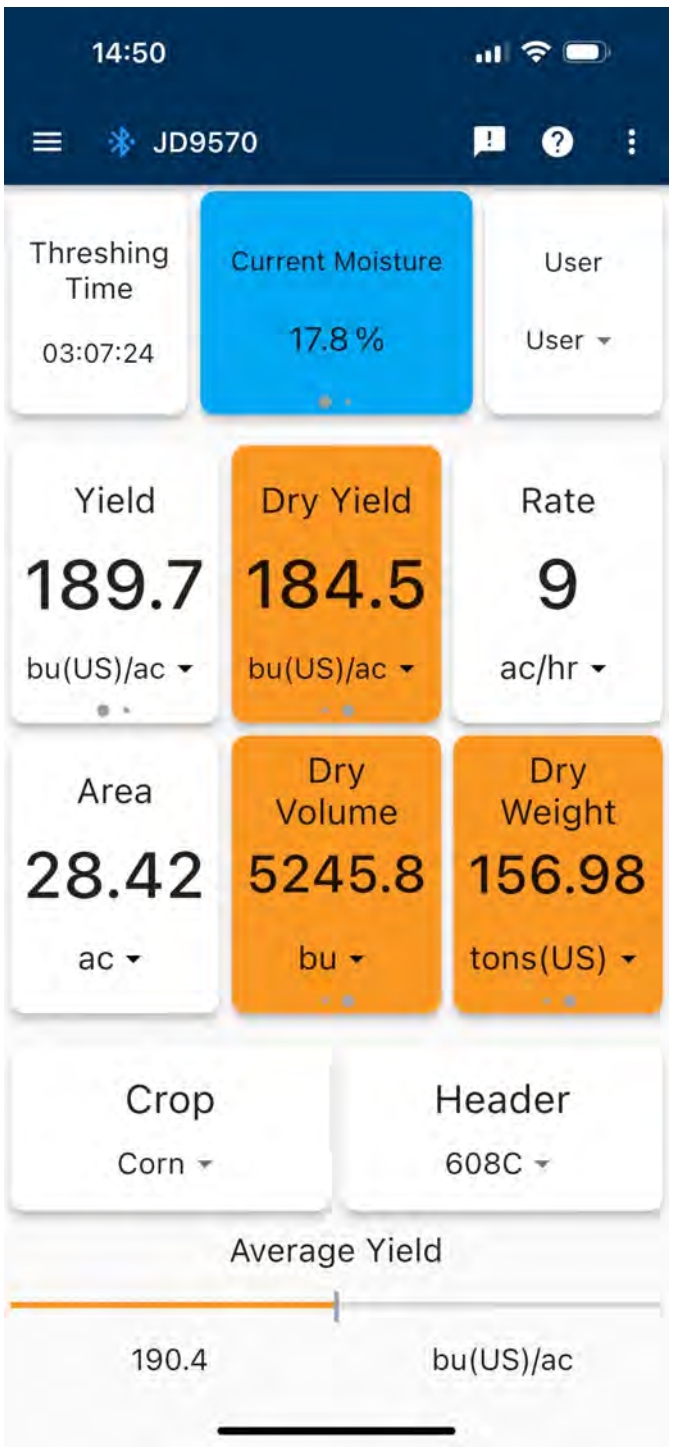
View the effect of moisture on yield by swiping the Yield Tile left or right to view wet (as harvested) vs market (dry) values.



Wet Yield/Volume/Weight

Dry Yield/Volume/Weight

To view wet and dry yield at the same time, long-press one of the tiles and switch to a second “Yield” tile. Swipe the second “Yield” tile to the right to show dry yield.



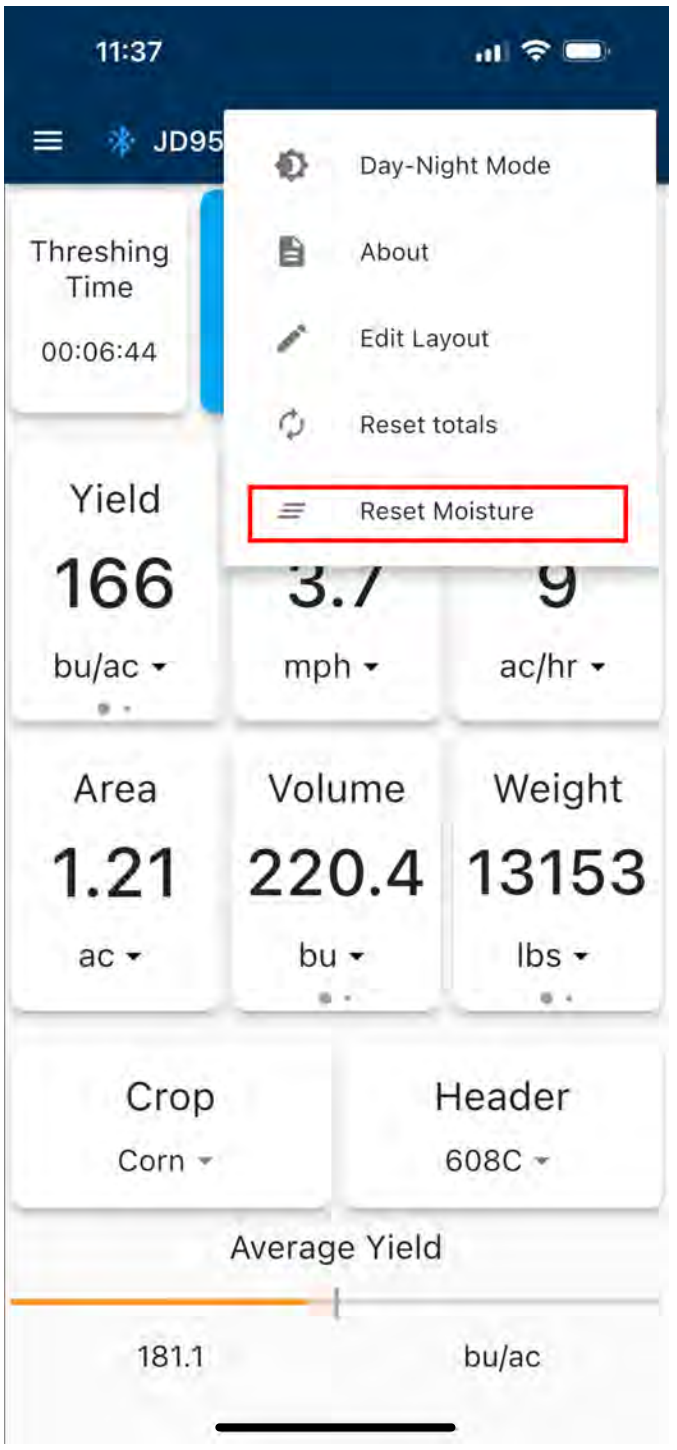
ADDITIONAL INFORMATION

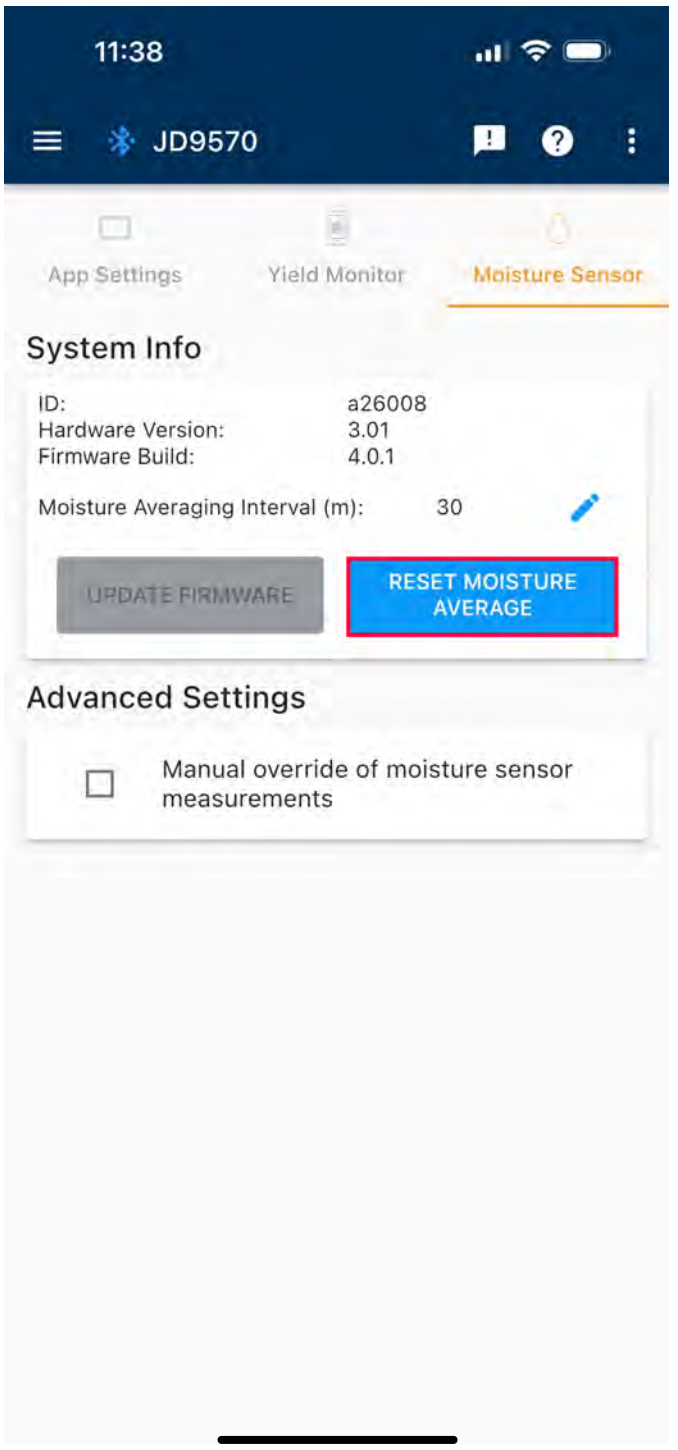
- The Moisture Sensor detects when the sensor face is obscured by buildup. This can happen in high-oil content crops, wet/muddy fields, and with improper combine settings. The Mobile App will generate a warning notification of invalid moisture readings and the tile will display the user-set moisture with a yellow border until the residue is cleared by the elevator paddles.

- If a moisture calibration was completed when the sensor face was obscured with buildup, the Moisture Sensor will likely be out of calibration once the buildup is cleared. If you suspect the calibration was done with invalid readings, you can reset the Moisture Sensor in one of two ways:

1. Select the three-dot menu from the Live Harvesting screen of the Mobile App. Press “Reset Moisture”. This will reset the moisture offset to zero and clear the trailing average.

2. Or navigate to Advanced Settings, select the Moisture Sensor tab and press “Reset Moisture”.





For further support, questions or concerns do not hesitate to reach us at **support@farmtrx.com**.

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