

FarmTRX™

Yield Monitor

Quick Start Guide

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Congratulations on the purchase of your FarmTRX Yield Monitor. This yield monitor installs on any make, age or model of combine and automates the creation of precision yield and moisture maps.

How It Works

Install: The Yield Monitor is installed in 2-4 hours using basic tools.

Harvest: The Yield Monitor is always recording, with or without pre-harvest crop calibration.

Sync: Yield data is synced to the Web App in the field over mobile data or at home over WiFi.

Registration

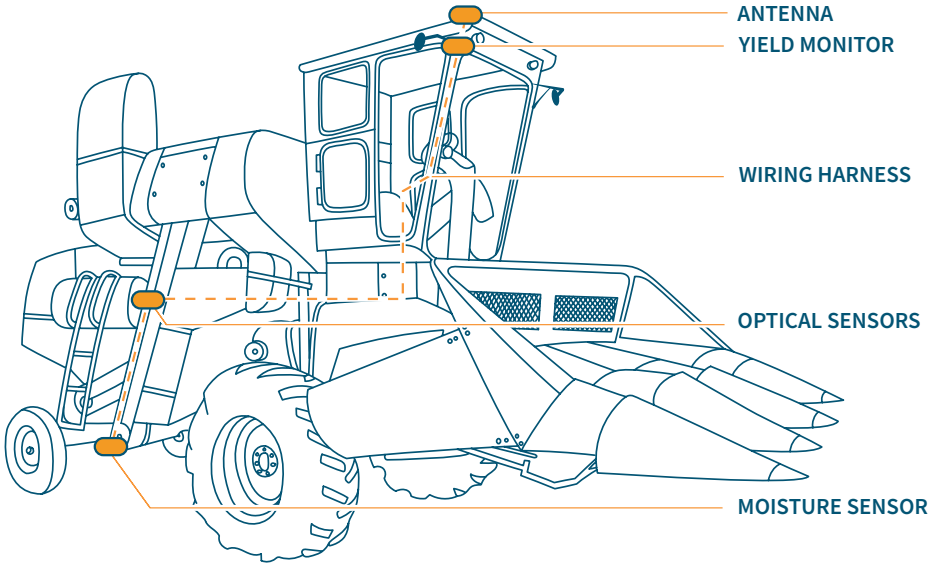
Get started by registering your Web App account at web.farmtrx.app.

If your farm is located in Europe or Africa, register at eu.farmtrx.app.

Installation

Installation is completed by the farmer with basic tools, in 2-4 hours.
The full installation process can be found at farmtrx.com/documentation.





Antenna: A GNSS Antenna is connected to the Yield Monitor via an SMA connector and installed on the roof of the cab in the centerline of the combine.

Yield Monitor: The Yield Monitor Electronic Control Unit (ECU) mounts in the combine cab and will be wired into switched 12V power.

Sensors: Patent-pending QuickConnect sensor mounts provide a simple and fast installation of the optical sensors. The sensors measure grain volume on the passing paddles.

Components

1. Yield Monitor ECU
2. External Antenna (Multi-band GNSS pictured)
3. 6 m (20 ft) Primary Wiring Harness
4. 2.4 m (8 ft) Sensor Interconnect Wiring Harness
5. Drill Guide Kit
6. QuickConnect Mounting Plates (2)
7. Assembled QuickConnect Optical Sensors and Mounts (2)

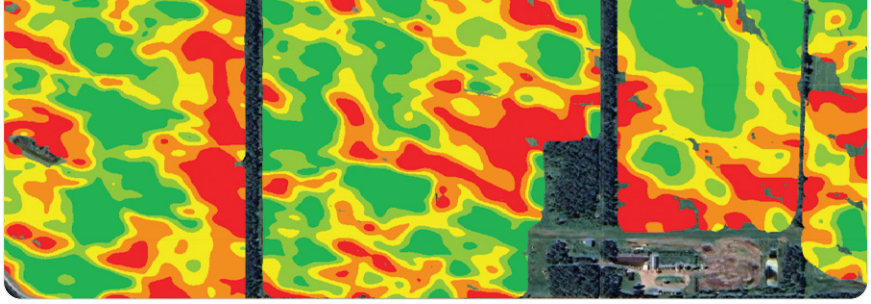
Not Pictured:

- Zip Ties
- Alcohol Wipes

Tools Required

- Power Drill
- Pliers, Vice Grips, or Side Cutters
- Center Punch
- Measuring Tape
- Marker, Pen, or Pencil
- Flat Head Screwdriver
- Masking Tape
- Round Bastard File (optional)





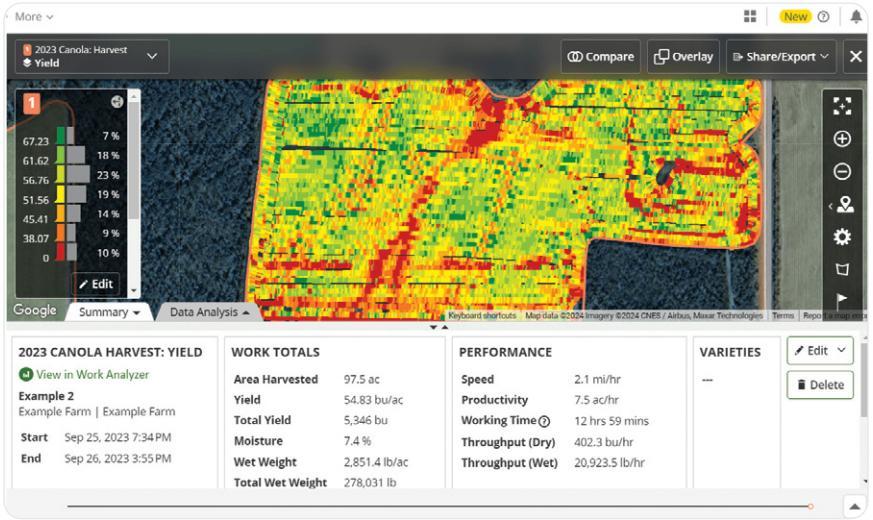
Automated Yield Mapping

Full access to the Web App is included for one year after purchase of the Yield Monitor. After that, continued automated data cleanup and yield mapping is based on a per-acre fee. Raw, unedited yield data from the Yield Monitor is always free to access by the account owner. Yield data is the sole property of the account owner. Raw yield data is always available to export as ESRI Shapefile (.shp) or Agleader Basic file formats.

Integrations

FarmTRX offers various data integrations with other popular farm management systems including John Deere Operations Center™, Trimble Ag Software, PTx Trimble GFX Displays and Climate FieldView™.

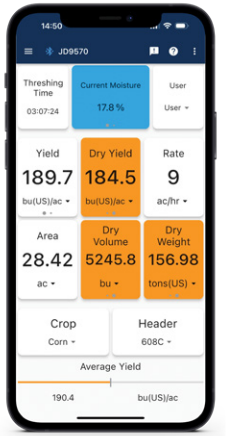
Integrations allow farmers to get yield data off any combine and into their data management system of choice, to unify their farm data.



FarmTRX yield data in John Deere Operations Center™

Steps to Start Harvesting

To watch an installation on a John Deere 9570 STS combine visit youtube.com/c/FarmTRX.

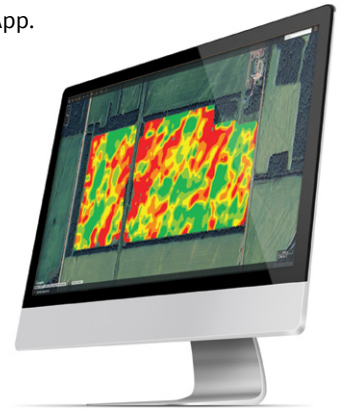


1. **Install the Latest Version of the FarmTRX Mobile App**
   Available on the Apple App Store, Amazon Appstore, and Google Play Store. Verify that your smartphone or tablet is up to date and compatible. The FarmTRX Mobile App requires iOS 13.0 or later or Android 9.0 or later. Check your device's operating system in Settings.

2. **Connect Your Device to the Yield Monitor**
   Connect via Bluetooth® in the FarmTRX Mobile App. The LED on the Yield Monitor will flash blue as the monitor is connecting or disconnecting.

3. **Add Headers, Crops and Calibrate Sensors**
   Enter the headers and crop types for your farm. Crop varieties may be added as custom crop types in the Mobile App. Perform a Device Calibration in the yard and a Crop Calibration in-field for each new crop type. Unable to calibrate before harvesting the field? That's OK. Post-harvest calibrate the collected yield data through the FarmTRX Web App.

4. **Harvest**
   Begin harvesting. If the LED is flashing green the Yield Monitor is ready, but not yet collecting data. If the LED is solid green, yield data is being recorded and readings will display through the Mobile App.
   To get accurate live yield readings, perform an in-field crop calibration through the Mobile App. Calibration can be done using a volume or weight measurement.



5. **Sync Yield Data and View Yield Maps**
   Sync yield data to the cloud for processing via the Cloud Sync screen of the Mobile App. Harvest data will only populate in the Web App once you have drawn or imported field boundaries. Precision yield and moisture maps will be automatically generated shortly after data sync.

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www.farmtrx.com