FarmTRX™

2025 Product Catalogue

GUIDE CONTENTS

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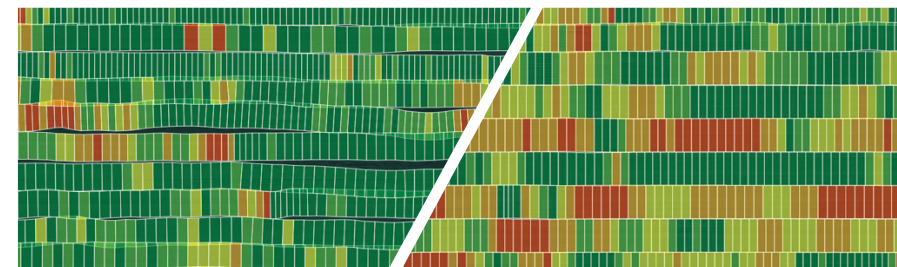
FarmTRX™

NEW FOR 2025

Yield Monitor Pro

The Yield Monitor Pro features a suite of design and processing improvements, including:

- Updated GPS module leveraging the latest in free satellite space-based corrections with global coverage and no set-up required (PPP HAS)
- Enclosure design improvements for increased ruggedness
- Increased processing power to support multi-platform integrations
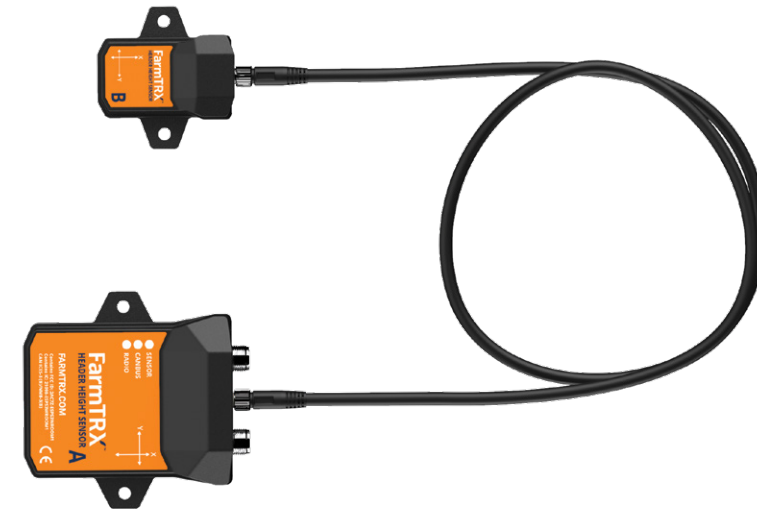
HARVEST GPS PASS ACCURACY

YIELD MONITOR PLUS+ WAAS   YIELD MONITOR PRO PPP

Header Height Sensor

The Header Height Sensor significantly improves the in-cab calculation of harvested area and provides real-time cut height feedback to the operator through the FarmTRX Mobile App.

Roadmap of software updates for advanced Yield Monitoring (Yield Monitor Pro only)

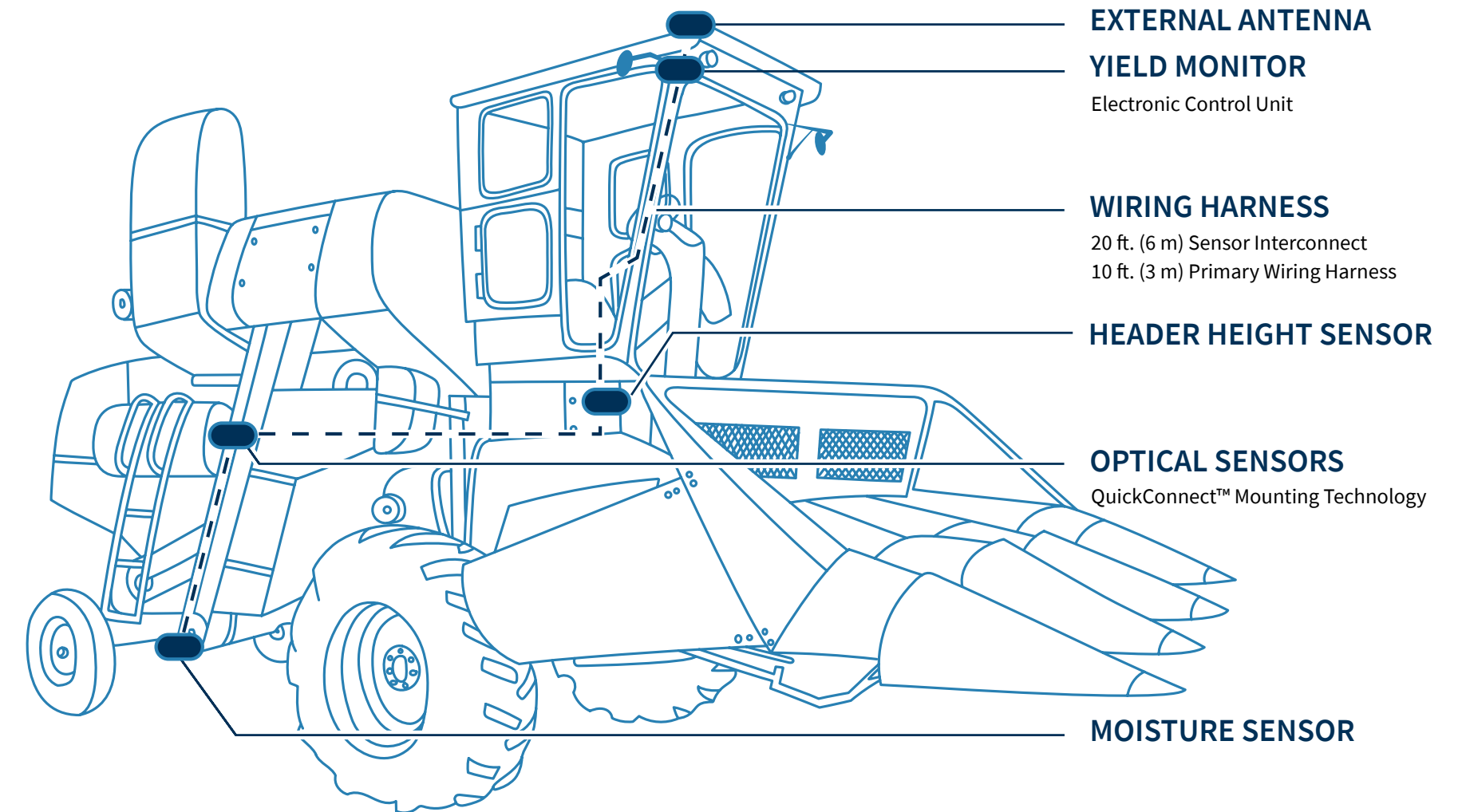**Features coming to the Yield Monitor Pro:**

Live yield mapping—Real time, colour themed yield maps viewable in the Mobile App during harvest

Background data sync and remote configuration with 4G SIM —Removes manual data upload process

Partial swath detection—Automatic detection and correction of partial rows

YIELD MONITORING SYSTEM

The FarmTRX harvest monitoring system is comprised of the Yield Monitor, Moisture Sensor and Header Height Sensor. This universal solution can be installed on any combine make, age or model and includes all the necessaryhardware and software components to get started with precision yield mapping.

EXTERNAL ANTENNA

YIELD MONITOR
Electronic Control Unit

WIRING HARNESS
20 ft. (6 m) Sensor Interconnect
10 ft. (3 m) Primary Wiring Harness

HEADER HEIGHT SENSOR

OPTICAL SENSORS
QuickConnect™ Mounting Technology

MOISTURE SENSOR

YIELD MONITORS

An affordable, retrofit solution to getting yield data and maps from any combine.
FarmTRX offers Yield Monitors at two price points for the value-minded
and precision farmer. Choose between:

YIELD MONITOR PLUS+

Universal Installation   Simple Calibration   Post-Harvest Calibration
Bluetooth® Connectivity   RTK Capable

YIELD MONITOR PRO

Universal Installation   Simple Calibration   Post-Harvest Calibration
Bluetooth® Connectivity   Free Space-Based Corrections (PPP HAS)
RTK Capable   4G SIM   Multi-CAN   Dust/Waterproof Enclosure

Every Yield Monitor comes with:

YIELD SENSORS   HARNESSES AND CABLING   INSTALLATION MATERIALS

	PLUS+	PRO
POSITIONAL ACCURACY	• Sub-meter DGPS in SBAS regions (North America/ Europe), 20 cm accuracy with RTK	• 5 cm horizontal accuracy, 10 cm vertical accuracy using free PPP satellite correction with global coverage, (0.8cm horizontal and 1.5 cm vertical accuracy using RTK
WIRELESS CONNECTIVITY	• Bluetooth® 4.2	• Bluetooth® 5 • 4G cellular • Road-map allows for future remote configuration, automatic data syncing from ECU to the cloud, real-time monitoring in cloud
INTEGRATIONS	• 1 CAN channel for output of position/yield/moisture values	• 3 CAN channels • Road-map allows for ability to connect to engine/implement CANbus, task controller software to display yield in factory (OEM) display
ANTENNA	• Triple band patch antenna • VHB adhesive tape mount	• Triple band survey-grade antenna • Magnetic mount or VHB adhesive tape mount • Ruggedized housing • High phase center stability • Higher gain and beam width for tracking low elevation satellites • Anti-interference performance • Robust RG58 TNC wire
PROCESSOR		• Expanded I/O and 5x more RAM over the previous generation Yield Monitors
ENCLOSURE	• Single LED interface • Not dust-proof, not waterproof • Installation inside the cab required	• 4 status LED interface • Dust-proof/waterproof • Installation inside or outside of the cab
	• Item Code: AG-YMK-2500	• Item Code: AG-YMK-3000

ADD-ON SENSORS

FarmTRX offers a suite of additional harvest sensors that can be added to the Yield Monitor for more powerful yield monitoring and machine insights.

Header Height Sensor

The Header Height Sensor delivers real-time relative combine header height to the Yield Monitor, improving in-field area calculation and giving live cut-height feedback to the operator through the Mobile App. It is a retrofit installation that can be added to any combine and compatible with Yield Monitor Pro, Plus+, Base or 2.0.

How It Works

- Two Inertial Measurment Units (IMU) install on the combine frame and feederhouse to determine sensor orientation to ground
- Accurate header height results whether the combine is traveling uphill, downhill or tilted on sidehills

Item Code: AG-HSK-1000/AG-HSK-1001
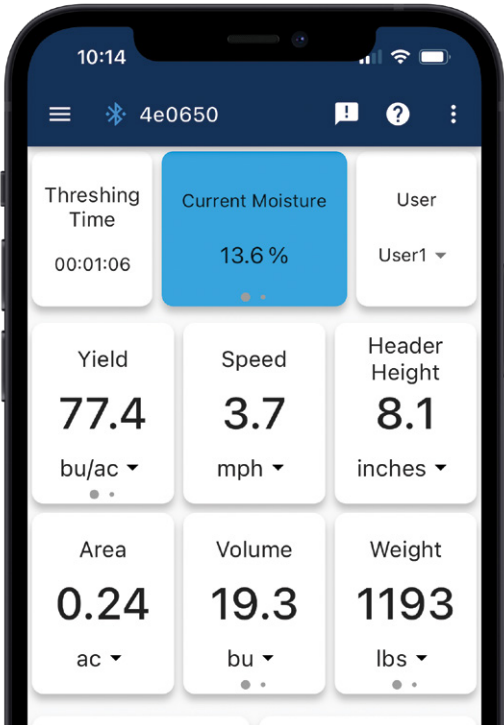
Moisture Sensor

The Moisture Sensor delivers on-the-go grain moisture monitoring to the Yield Monitor. It installs on the clean-out hatch door at the base of the clean grain elevator in a location where grain flow is consistent. The Moisture Sensor takes capacitance readings of flowing grain during harvest and records live and average grain moisture values viewable to the farmer via the Mobile App.

How It Works

- Installation on any combine with a minimum clean-out hatch door width of 6"
- The Moisture Sensor has a ceramic sensor face and stainless steel flange for good durability in a high-wear environment

Item Code: AG-MSK-2500

IN-CAB DISPLAY AND MOUNTS

The Display is a 7" ruggedized Android tablet that serves as a dedicated screen for running the FarmTRX Mobile App in the cab during harvest. The Display features a rugged design that is water-resistant, drop-proof and dust-proof. Farmers can choose to add the Display or use their own phone or tablet to connect to the hardware and run the Mobile App.

Item Code: AG-DP-1002

Ram® Mounts

Every Display package comes with one of the following compatible RAM mounts for in-cab. mounting:

Item Code: AG-DP-2001
RAM Part#: RAM-101U

Item Code: AG-DP-2002
RAM Part#: RAM-101U-235

Item Code: AG-DP-2003
RAM Part#: RAM-365-101U

PRODUCT LINEUP

PRODUCTS *(note: not all parts pictured)*	SKU
YIELD MONITOR PRO	AG-YMK-3000
YIELD MONITOR PLUS+	AG-YMK-2500
MOISTURE SENSOR	AG-MSK-2500
STANDALONE MOISTURE SENSOR (coming soon!)	AG-MSK-2502
HEADER HEIGHT SENSOR	AG-HSK-1000
HEADER HEIGHT SENSOR FOR LEGACY YIELD MONITORS (2.0/BASE/PLUS+)	AG-HSK-1001
YIELD MONITOR PRO UPGRADE KIT	AG-YM-2105
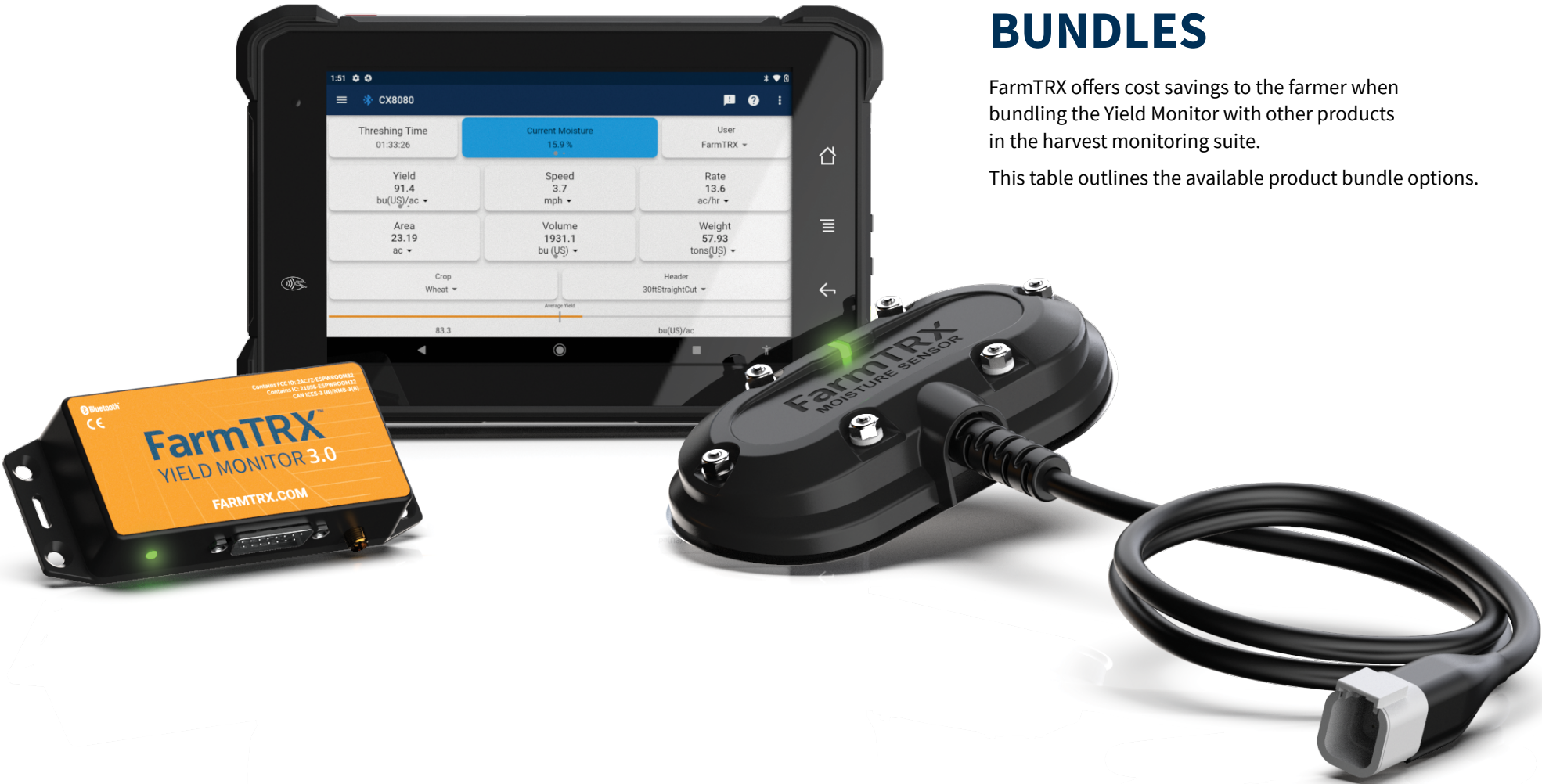
BUNDLES

FarmTRX offers cost savings to the farmer when bundling the Yield Monitor with other products in the harvest monitoring suite.

This table outlines the available product bundle options.

PRODUCTS (note: not all parts pictured)		SKU	YIELD MONITOR KIT		MOISTURE SENSOR	HEADER HEIGHT SENSOR	IN-CAB DISPLAY
			PLUS+	PRO			
BUNDLE 1		AG-KIT-3005		✓	✓	✓	✓
BUNDLE 2		AG-KIT-3000		✓	✓	✓	
BUNDLE 3		AG-KIT-3001		✓	✓		
BUNDLE 4		AG-KIT-3002		✓		✓	
BUNDLE 5		AG-KIT-2505	✓		✓		✓
BUNDLE 6		AG-KIT-2500	✓		✓		

INSTALL & SET-UP

Installation

With our patent-pending optical sensor install method, installation is quick and simple. Using the provided drill bits and guides, users can install the system in 2-4 hours on any combine.

In the Yard

Farmers connect to the Yield Monitor via Bluetooth© on their mobile device or the FarmTRX Display. Firmware updates are done over-the-air, so a simple app update will get you the latest features when they arrive. In the mobile app, farmers will choose their crop types, headers, units and tare the combine elevator paddles by performing a sensor calibration (combine stationary with threshing clutch engaged).

In the Field

If you want to see accurate live yield in the cab on the FarmTRX app, you will need to perform a crop calibration during harvest. Calibration can be done with a volume or weight measurement and should be completed in a representative part of the field. This is a simple process and can adapt to whatever equipment you have for measuring a sample (volume of your hopper/grain cart with scales/elevator ticket).

Post-Harvest

If you did not complete a crop calibration during harvest, you will still be able to get accurate yield maps for the field with post-harvest calibration in the Web App. Enter a known yield (entire field total) and the calibration will be applied to the data-set.

AUTOMATED YIELD MAPPING

FarmTRX Premium Web App service includes the automated clean up and processing of collected yield data into precision yield and moisture maps. The Web App corrective process automatically detects and corrects yield inconsistencies recorded while harvesting such as hills, unloading points, sharp starts and stops, partial swaths, multiple combines with different calibrations in the same field; producing usable, agronomy-ready maps.

In total, the Web App delivers 9 output types to see your yield data including Corrected Yield, Trend of Yield, Zone and Swath maps.

Automated yield mapping and integrations with other farm management software like John Deere Operations Center™ is offered at the Premium level service, priced annually depending on harvested acres.

FarmTRX also offers a free version of the Web App for budget conscious users. The free version sorts and organizes all yield data into fields automatically categorized by year and crop type. Users can export raw yield data in .shp file format for use with other agronomic tools. Purchasing a yield monitor comes with a free year of Premium level service.

Integrations

The FarmTRX system can be integrated with other major agriculture solutions. FarmTRX currently supports integrations with Climate FieldView™, John Deere Operations Center™ and PTx Trimble.

For live mapping in cab, users can plug a FieldView Drive into the CAN plug on the FarmTRX wiring harness, getting real-time yield and coverage maps on their iPads with the FieldView Cab App.

The FarmTRX Web App can be linked via API directly to both John Deere Operations Center and Trimble Ag Software. Users can automatically bi-directionally sync all client-farm-field structure and field boundaries. Every parameter measured by the FarmTRX yield monitor system (such as yield, moisture, operator, speed, elevation, etc) can be synced and viewed in either platform for complete agronomic analysis.

Additionally, farmers using a PTx Trimble GFX Display can download the FarmTRX mobile app from Trimble Ag App Central and run it on their display during harvest.
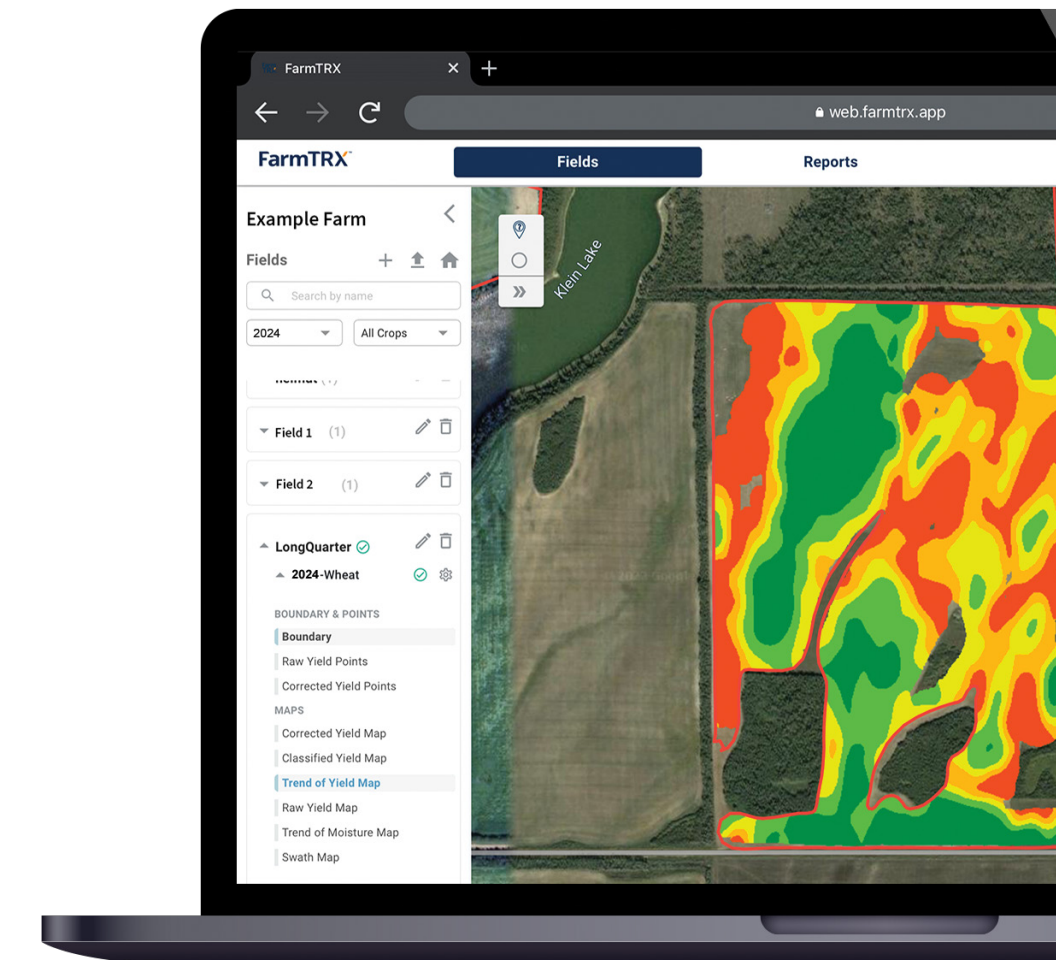
JOHN DEERE OPERATIONS CENTER™ CONNECTED

CLIMATE FIELDVIEW

PTx Trimble

WARRANTY INFORMATION

FarmTRX hardware is covered by a 2-year warranty. FarmTRX guarantees that it will repair, replace or refund a product that is defect in materials or workmanship during the warranty period. FarmTRX may offer different delivery methods for warranty service, including but not limited to parts and product dispatches. The warranty is conditional on proper installation and normal use.

For help determining what additional parts or products may be required under warranty contact support@farmtrx.com or call 1-800-991-5136.

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