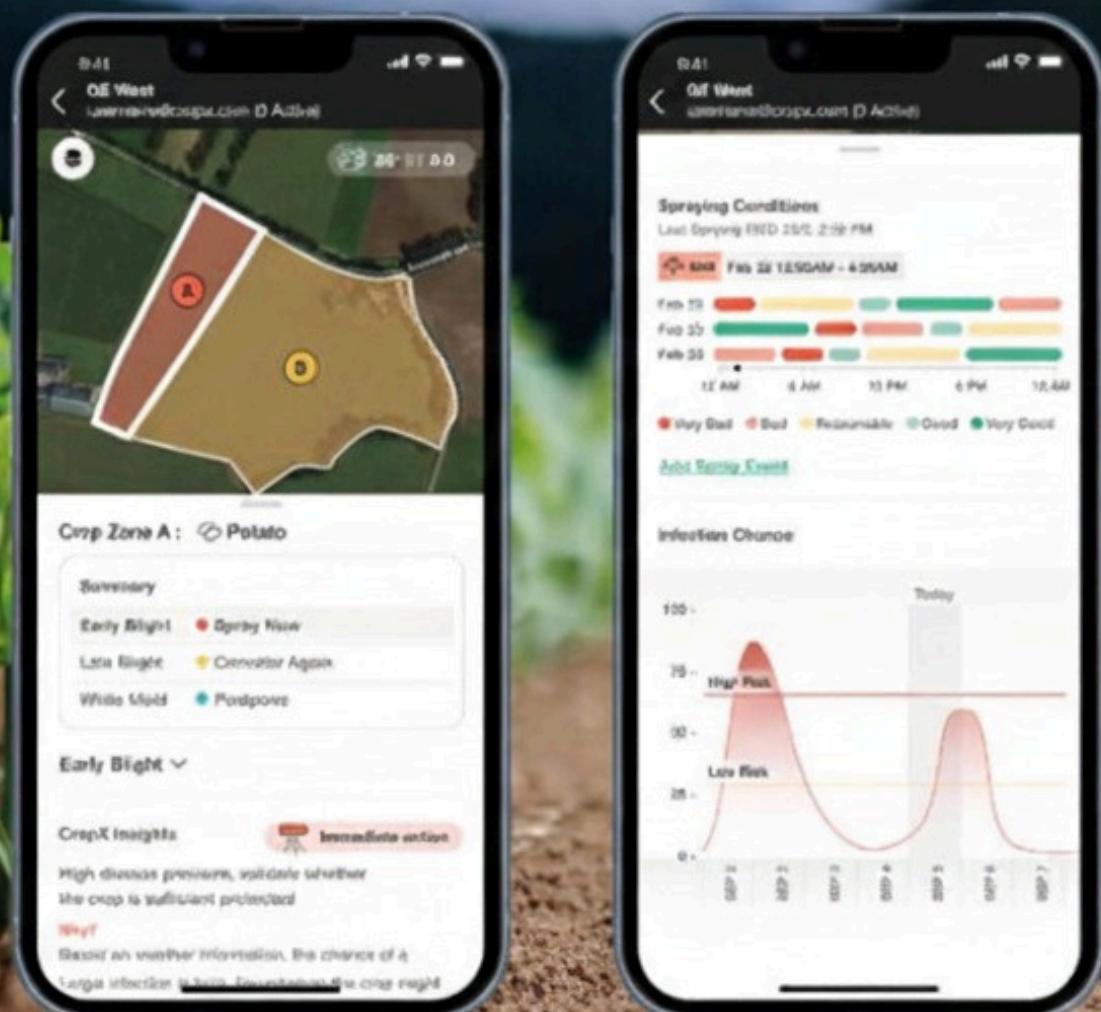


# Farmx

# THE COMPLETE DIGITAL AGRONOMY PLATFORM

PRECISION HARDWARE  
GSOFTWARE  
DESIGNED FOR A NEW AGE OF  
FARMING



2025 Product Brochure

# YOU PUT EVERYTHING

## INTO YOUR FARM

### DON'T LET IT GOTO WASTE

Unlock peak productivity, profitability, and resource efficiency with the complete FarmX digital agronomy platform. One connected system. Smarter decisions. Stronger results.



#### Save on Inputs

Cut input costs without cutting corners. FarmX helps you use water, nutrients, and energy more efficiently with precision irrigation tools, nitrogen leaching detection, and variable rate application.

By making smarter decisions faster, you save not just inputs but valuable time in the field. Better for your bottom line. Better for the planet.



#### Increase Yields

Grow more with less guesswork. FarmX gives you real-time insights into crop health, disease risk, and water use so you can respond faster and keep plants thriving.

From satellite-based monitoring to in-field ET sensors, you stay in control at every growth stage. Healthier crops. Bigger yields. Smarter decisions.



#### Farm Sustainably

Reduce your environmental impact without adding complexity. FarmX gives you full visibility across your farm, with connected tools to plan, track, and optimize every activity.

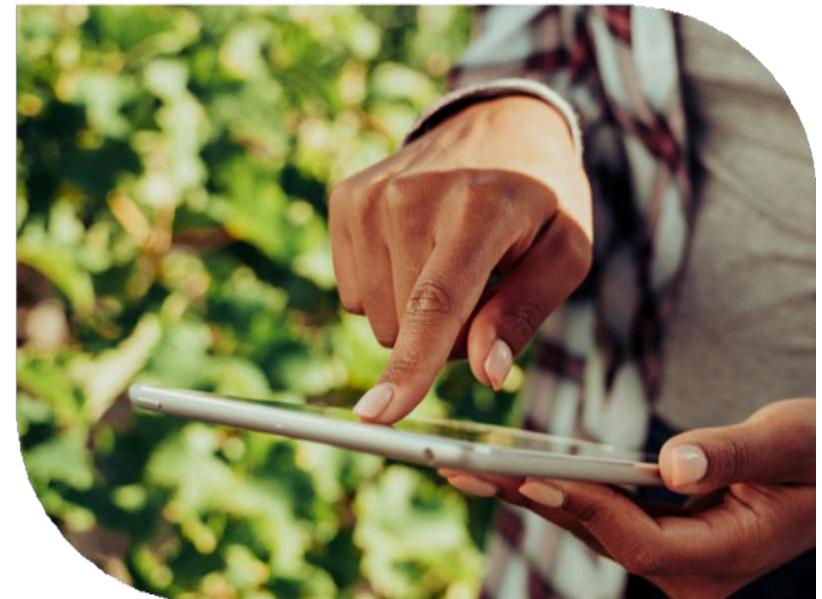
Seamlessly integrate with existing equipment and manage your entire operation with enterprise-grade precision. Smarter records. Stronger compliance. Real sustainability.



# Precise, Powerful, and Easy

FarmX is a powerful precision agronomy system that centralizes soil data, in-field data, and satellite data in one easy-to-use software application.

This data is filtered through our own hydraulic, agronomic, crop, and disease models, alongside topography and soil maps, to deliver valuable insights and actionable recommendations.

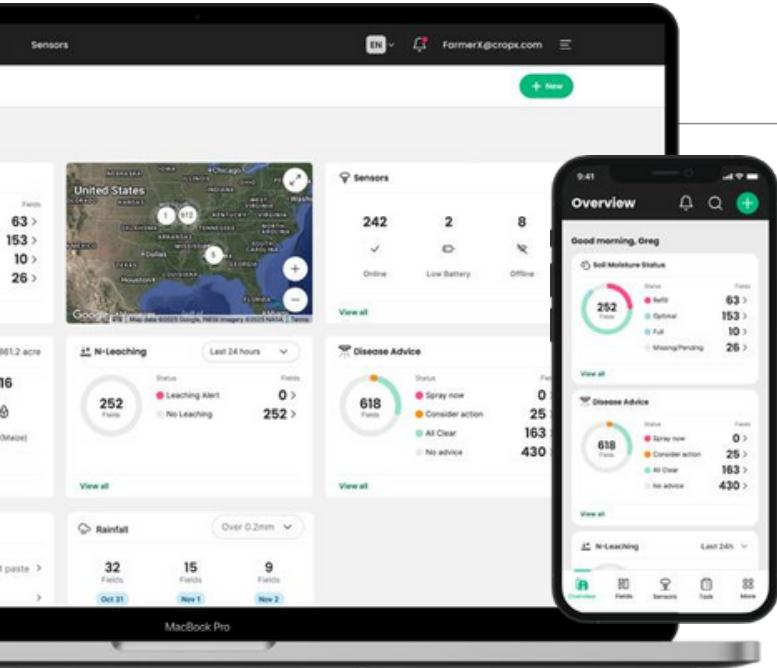


 Create or import fields in seconds	 Monitor crop health with satellite imagery	 Manage your farm networks across hundreds of sites	 Irrigate with precision and confidence	 Proactively detect leaching events and salinity stress
 Assess disease risk and protect your crops	 Track and report farm activity in detail	 Connect equipment for seamless data exchange	 Master variable rate application with powerful features	 Refine irrigation decisions with real-time evapotranspiration

## THE FARMX SYSTEM

# Hardware & Integrations

Power agronomic insights with a wide array of data sources, including integrations with other platforms and hardware.



## FARMX SOFTWARE

Access key agronomic data and insights



FARMX  
EVATO 1 (ET1)

Actual  
evapotranspiration  
sensor



FARMX  
STRATO 1  
(ST1)

All-in-one  
weather  
station



FARMX  
TELEMETRY 2  
(TD2)

Field data  
gateway



FARMX  
RIVO 1  
(RG1)

Rain gauge



FARMX  
VERTEX 4  
(V4)

All-in-one smart  
soil sensor

# Field Tested & Trusted

Founded in 2014, FarmX is one of the fastest growing providers of precision agronomic management solutions in the world. Our expertise is grounded in farming, agronomy, hydrology, machine learning, engineering and tech.

2,000+  
FARM DEPLOYMENTS

180+  
MACHINERY CONNECTIONS



15,000+  
SENSOR DEPLOYMENTS

80+  
CROP TYPES SUPPORTED

## FarmX Product Development Principles

We draw on the practical knowledge of our farmer-employees, founders and customers to deliver:



### AGRONOMIC VALUE

Using accurate and robust data sets to provide impactful agronomic insights and advice to help farmers optimize yields and minimize resource use



### SIMPLE SOLUTIONS

Developing clear and easy-to-use solutions that are accessible for every farm and attuned to the needs of large-scale agribusiness



### CONNECTED DATA

Connecting and activating farm data to create solutions, transparency, and traceability for the benefit of the farmer, ag supply chain, consumer and planet



# Low Water, High Yields: A California Citrus Success Story

Fifty trees were chosen to test how the Grower's practices compared to FarmX irrigation advice. Control trees were irrigated using a sprinkler system and a separate, automated irrigation system was installed for trees irrigated using the FarmX irrigation advice.

 **15%**

YIELD INCREASE

 **68%**

WATER USE REDUCTION



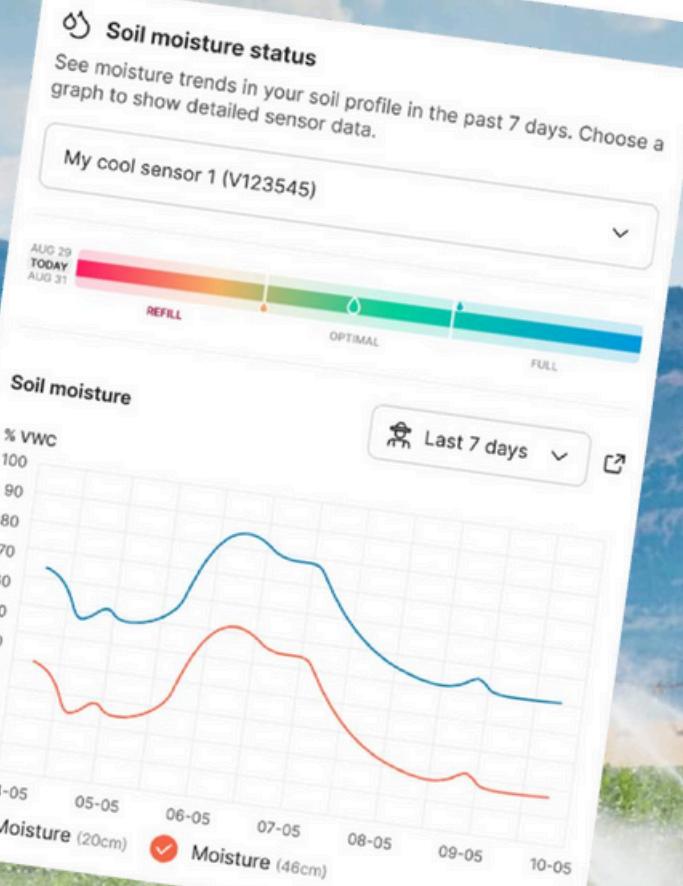


# FARMX SOFTWARE

FOR iOS, ANDROID, AND DESKTOP

Additional information  
At least 5.73 mm of additional soil water is needed to achieve optimal soil water status, and there is currently storage capacity for up to 42.34 mm of additional irrigation and rain water.  
In some crops, intentional crop drying practices are sometimes needed. Dry soil conditions may be desirable in those certain situations

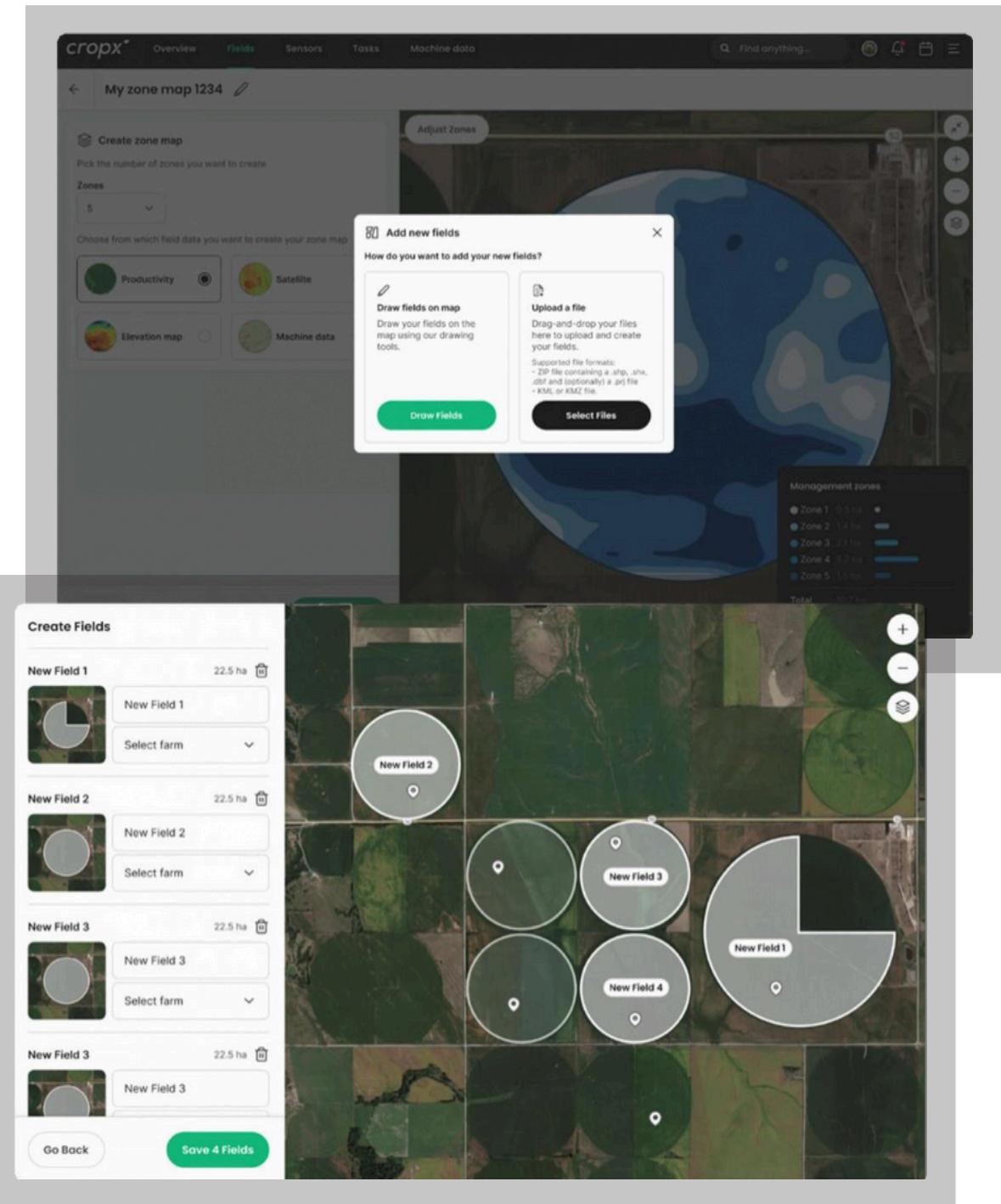
Irrigate now



# Create or Import Fields in Seconds

Import, drag-and-drop, or draw your own

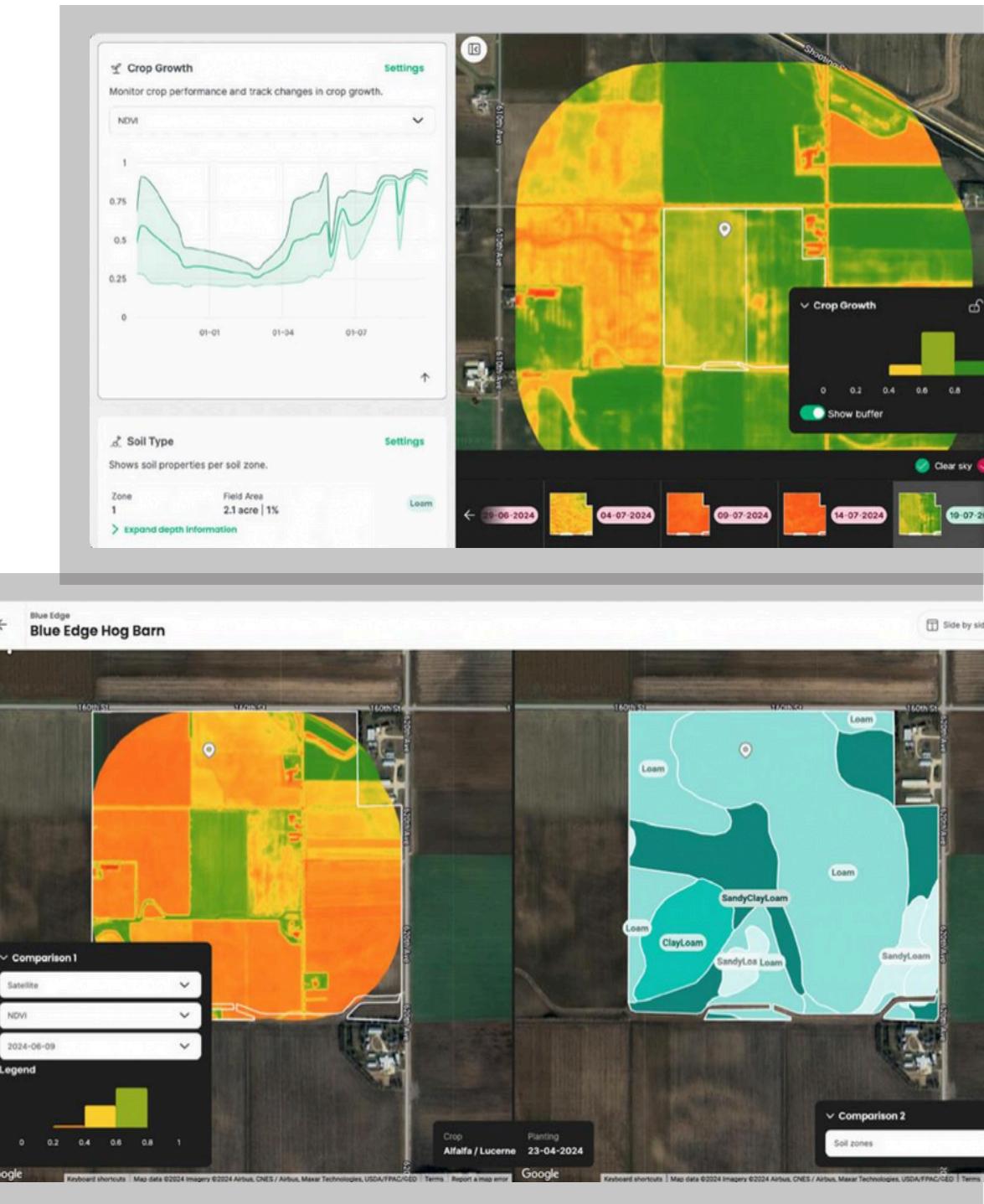
- Bulk import full farm and field hierarchy from John Deere Ops Center or Climate FieldView
- Drag and drop any shape file
- Create from as-planted machine data
- Land parcel boundaries from European cadastral data
- Draw your own
- Auto detect soil zones and layers from local geological survey data



# Monitor Crop Health with Satellite Imagery

NDVI, SAVI, NDMI indices and True Color maps

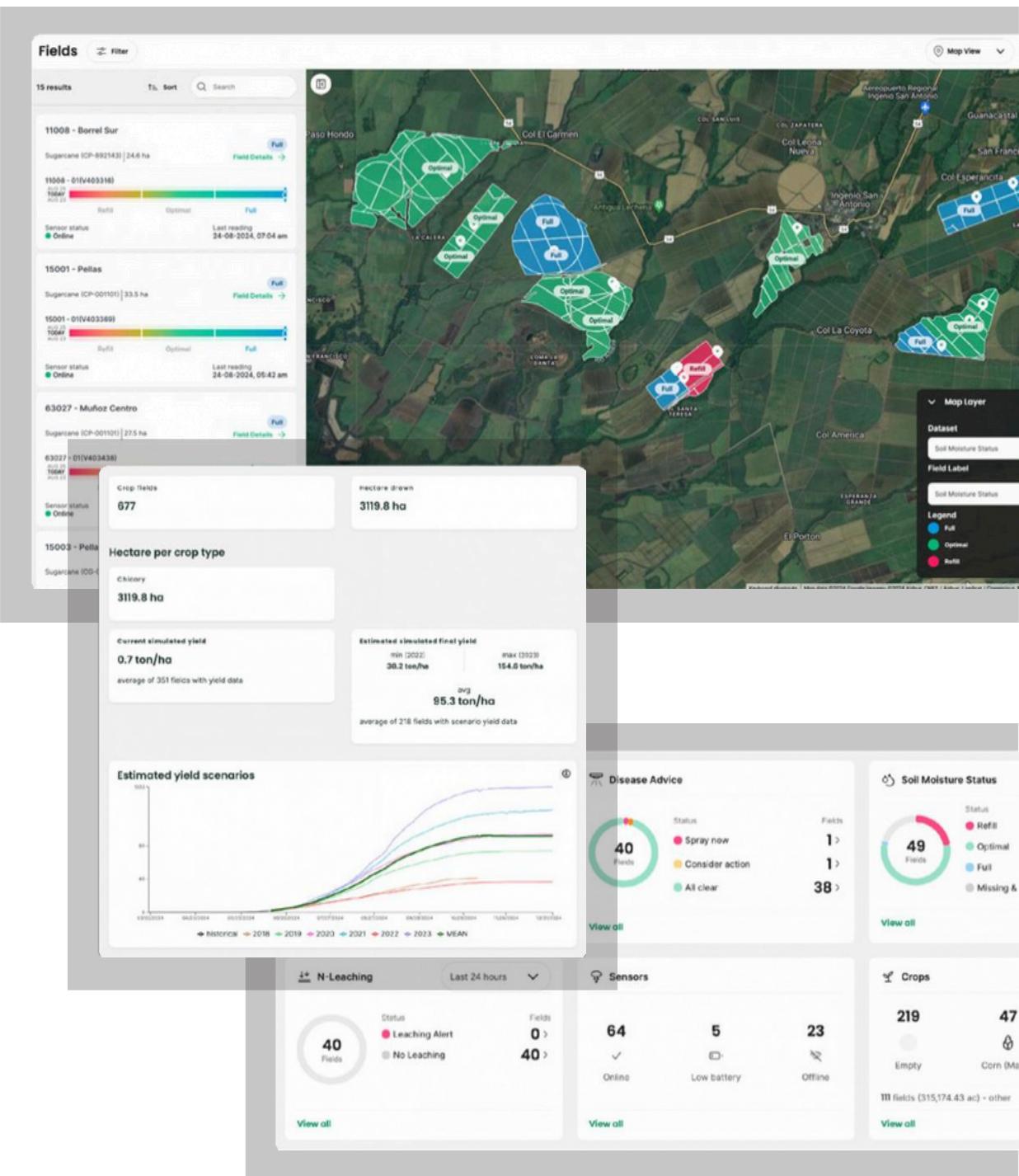
- Multi-year, multi-spectral satellite imagery (Sentinel-2, Landsat)
- 10 year historical productivity
- Detect in-field variability and issues
- Compare and contrast with any geospatial data
- Quickly add points of interest for scouting
- AI-based cloud detection



# Manage Your Farm Networks Across Hundreds of Sites

Enterprise-grade crop, device, and data management

- Global agronomic overview of all managed farms and fields
- At-a-glance crop and field health status and KPIs across hundreds of sites
- Designed for dealers and agribusinesses for crop, device, and data management at scale
- Custom KPIs and dashboards on demand



# Irrigate with Precision & Confidence

Assess, forecast, and fine-tune irrigation plans

- Works with FarmX or third-party soil sensors

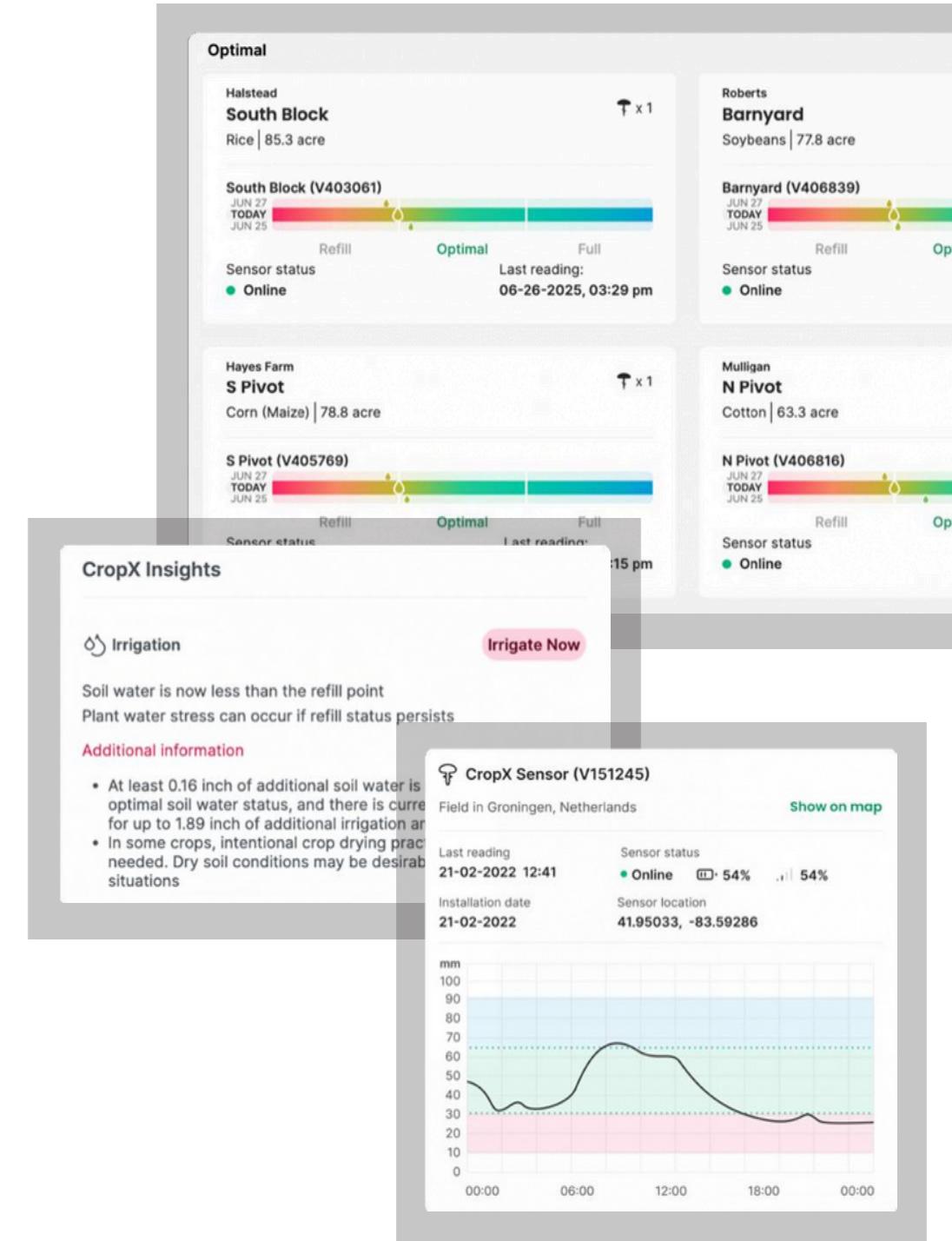
(Sentek, EnviroPro, Aquacheck)

- Autonomous and continuous field capacity detection and set point calibration
- Per depth and field level moisture status
- Forecast based on crop model (Kc), weather, rainfall and predicted water usage
- Precise, system-specific irrigation recommendations (pivot, drip, sprinkler)

## Required Hardware



**FARMX VERTEX 4 (V4)**  
All-in-one smart soil sensor



# Proactively Detect Leaching Events & Salinity Stress

Continuous monitoring and reporting with FarmX Vertex 4

- Requires FarmX soil sensor (with multi-depth moisture and EC)
- Determination of current soil salinity and stress level as well as crop-specific optimal range (EC saturated paste method)
- Continuous monitoring and reporting of leaching events
- Proactive alerts of over-irrigation or rainfall driven leaching events to adjust irrigation strategy
- Quickly add fertilization tasks to restore lost nutrients

## Required Hardware



**FARMX VERTEX 4 (V4)**  
All-in-one smart soil sensor

**Leaching Data**

Leaching is driven by soil moisture and nutrient concentrations. CropX uses a combination of sensor data along with soil and weather parameters to identify leaching events, allowing for timely soil management to minimise nutrient loss and boost crop health.

**2 days**  
Leaching in last 30 days

**4 days**  
Since the last leaching

**Leaching history**  
From 01-09 to 01-10

From 01-09 to 01-10

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

**Show leaching factors**

**EC Sat. Paste**

Kluck west (V404388) - Active

**0.51 dS/m**  
29-09-2024 Adequate

**Fertilization Tasks**

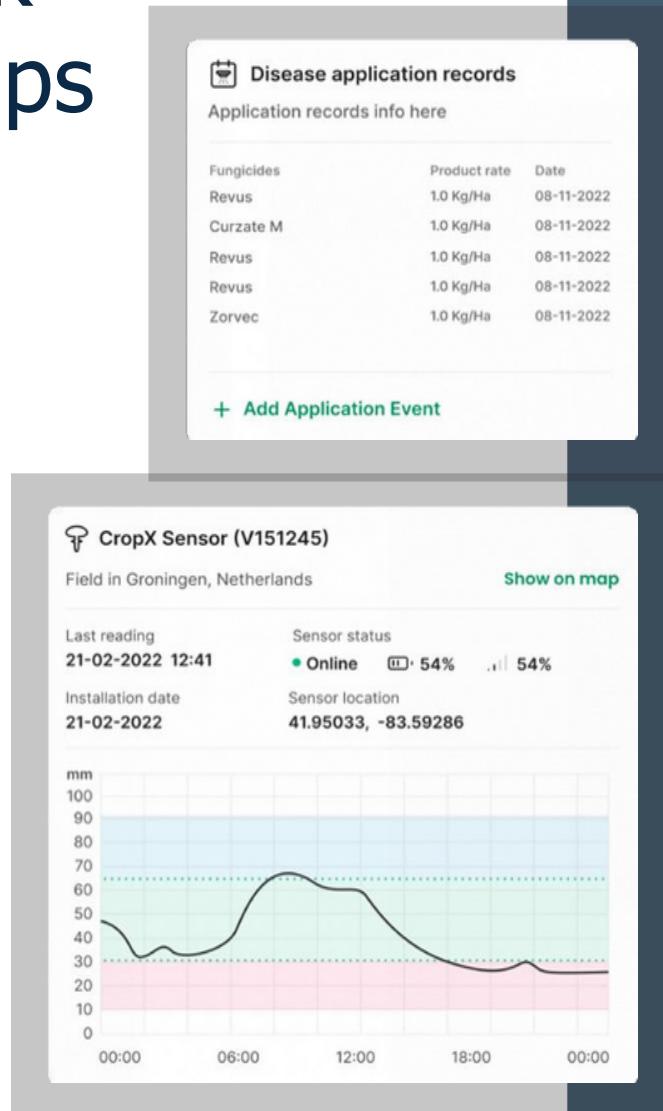
Date	Product type	N Rate (lb N/ac)	Product rate (lb/ac)
06-08-2024	Urea ammonium nitrate (UAN 32) (32%)	30	93.75

**Add Application**

# Assess Disease Risk & Protect Your Crops

Diseaseriskdetectionandspraying  
recommendations

- Proprietary disease models in production worldwide and tuned for 15+ years
- Risk detection of over 50 fungal diseases, tested and validated for 10+ years
- No sensor required
- Crop protection product type and optimal spray timing recommendation
- Quickly schedule and send spraying tasks to machines
- Detailed record keeping of products, concentrations and quantities used (including when and where)

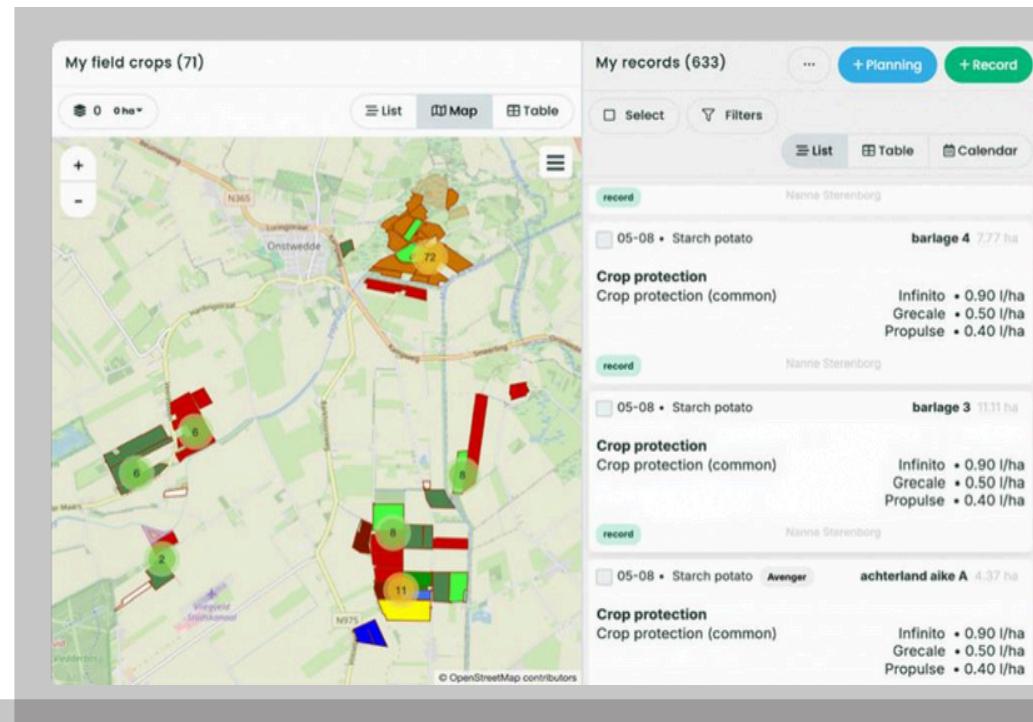


Apple	Apple scab
Endive	White mold
Potato	Late blight
Late blight	Early blight
Grapes	White mold
Powdery mildew	Grey mold
Beetroot	Downy mildew
Remularia leafspot	Beet leafspot
Leeks	White tip
Alternaria	Alternaria
Leveillula	Rust
Grey mold	
Bell Pepper	
Alternaria	
Leveillula	
Grey mold	
Lemon	
Brown rot	
Melanose	
Black rot	
Guignardia	
Broccoli	
Headrot	
Downy mildew	
White rust	
Lettuce	
Downy mildew	
Carrot	
Alternaria	
Cercospora	
Sclerotinia	
Powdery mildew	
Onion	Downy mildew
Blue/grey mold	
Alternaria	
Neckrot	
Purple blotch	
White tip	
Leaf spot	
Celery	
Septoria	
Coriander	
Septoria	
Peas	
Ringspot	
Alternaria	
White rust/blister	
Powdery mildew	
Peas	
Ringspot	
Alternaria	
White rust/blister	
Powdery mildew	
Corn	
Common rot	
Grey leaf spot	
Northern leaf blight	
Winter wheat	
Septoria tritici blotch	

# Track & Report Farm Activity in Detail

Holistic farm planning and detailed record keeping

- Plan (and replan) your farm's entire season holistically
- Record every farm activity, with products used, quantities, rates, and costs for regulatory and contractual reporting (e.g. to food processor)
- Allocate tasks to staff members and machines
- Get warnings for non-permitted input use based on extensive database and business rules

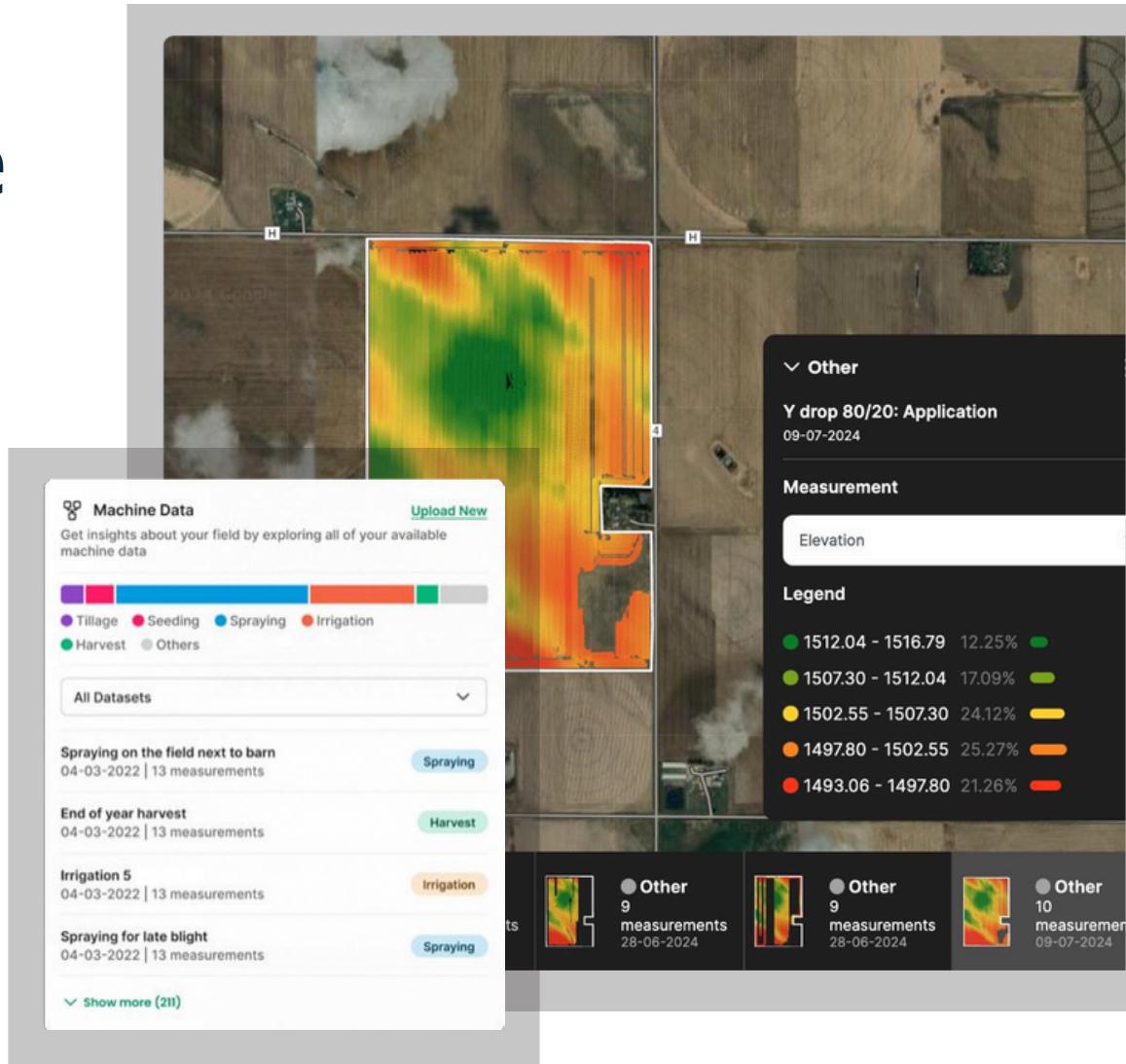


The screenshot shows the 'New record' creation form in the FarmX software. The form is divided into several sections: 'Where?' (dropdown menu 'add a crop field' with options 'Added crop fields 11.14 ha' and 'achterland aike A 4.3700'), 'When?' (date and time '10/01/2024 2:08 AM', duration '01:00'), 'Crop protection' (method 'Crop protection (common)', quantity of water 'l/ha', nozzle type 'Agrifac HTA D2-21'), 'Employees' (select staff 'Arie Nonkes'), 'Machines' (list of machines: 'Front zaaitank Lemken', 'Fendt Vario Tractor', '828 S4 (TBR-09-D)', 'GRIMME GL 430'), and 'Product' (product 'Belanty (16459 N)', dosage '87', total '969.1800'). There are also buttons for 'Easy' and 'Advanced' modes, and 'Cancel' and 'Save' buttons at the bottom.

# Connect Equipment for Seamless Data Exchange

Data connections with all major farm equipment

- Connect to multiple OEM (original equipment manufacturer) accounts to enable seamless data exchange
- Pull machine data and as-applied events into FarmX
- Push tasks and prescription maps (variable rate seeding, spraying, etc.) to machines
- Correlate farm activities to crop outcomes
- Wireless send to John Deere machines
- Native integrations via standard APIs



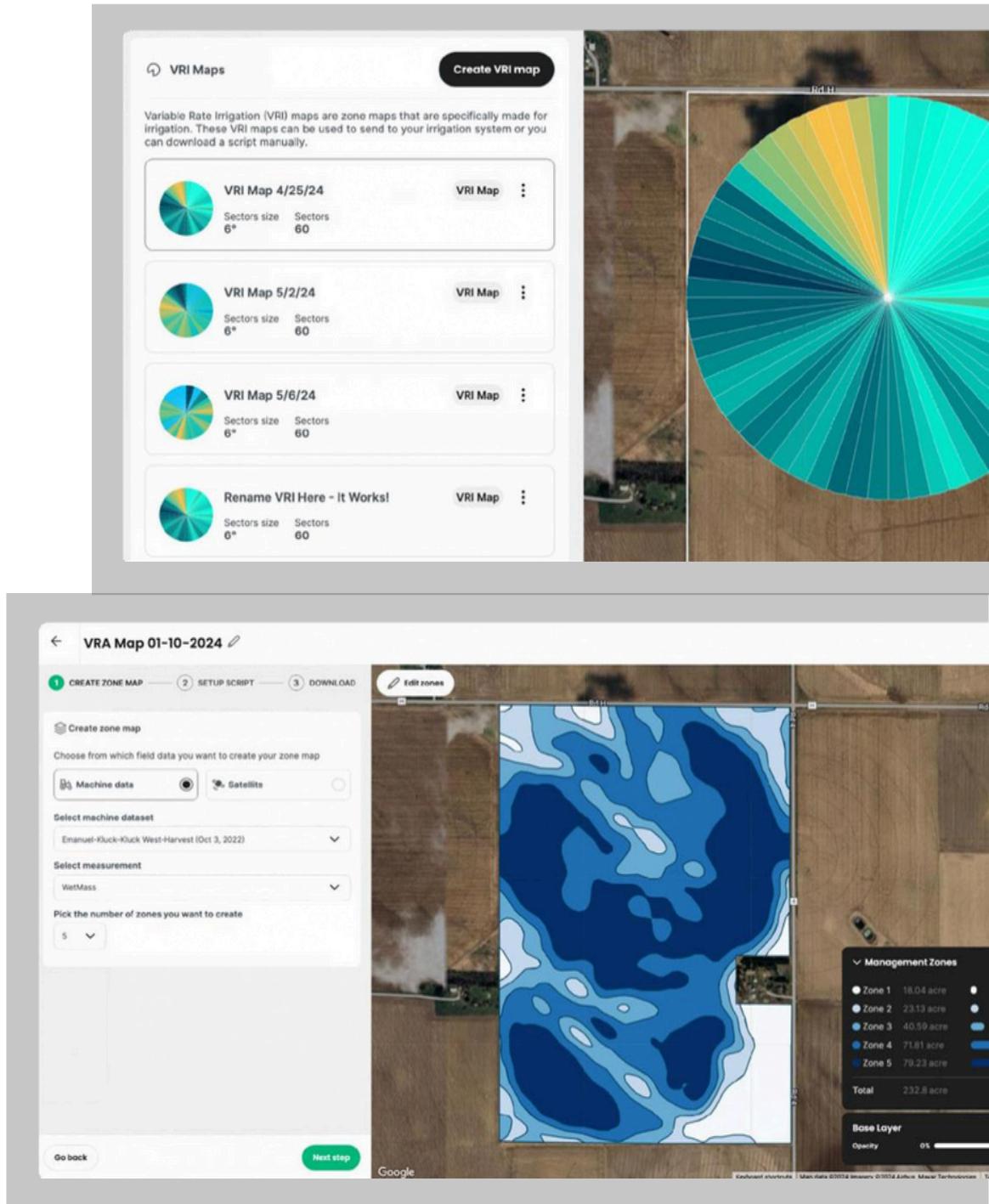
# Master Variable Rate Application with Powerful Features

From seeding and fertilization to irrigation and crop protection

- Create management zones and reusable

prescription maps based on any common data layer: machine passes, satellite imagery, soil maps, etc.

- Send seamlessly to almost any OEM (original equipment manufacturer) wirelessly or via file transfer
- Use advanced geospatial tools to locate areas of below/above average application within your field, including soil potential maps to pinpoint long-term weak spots



# Refine Irrigation Decisions with Real-Time Evapotranspiration

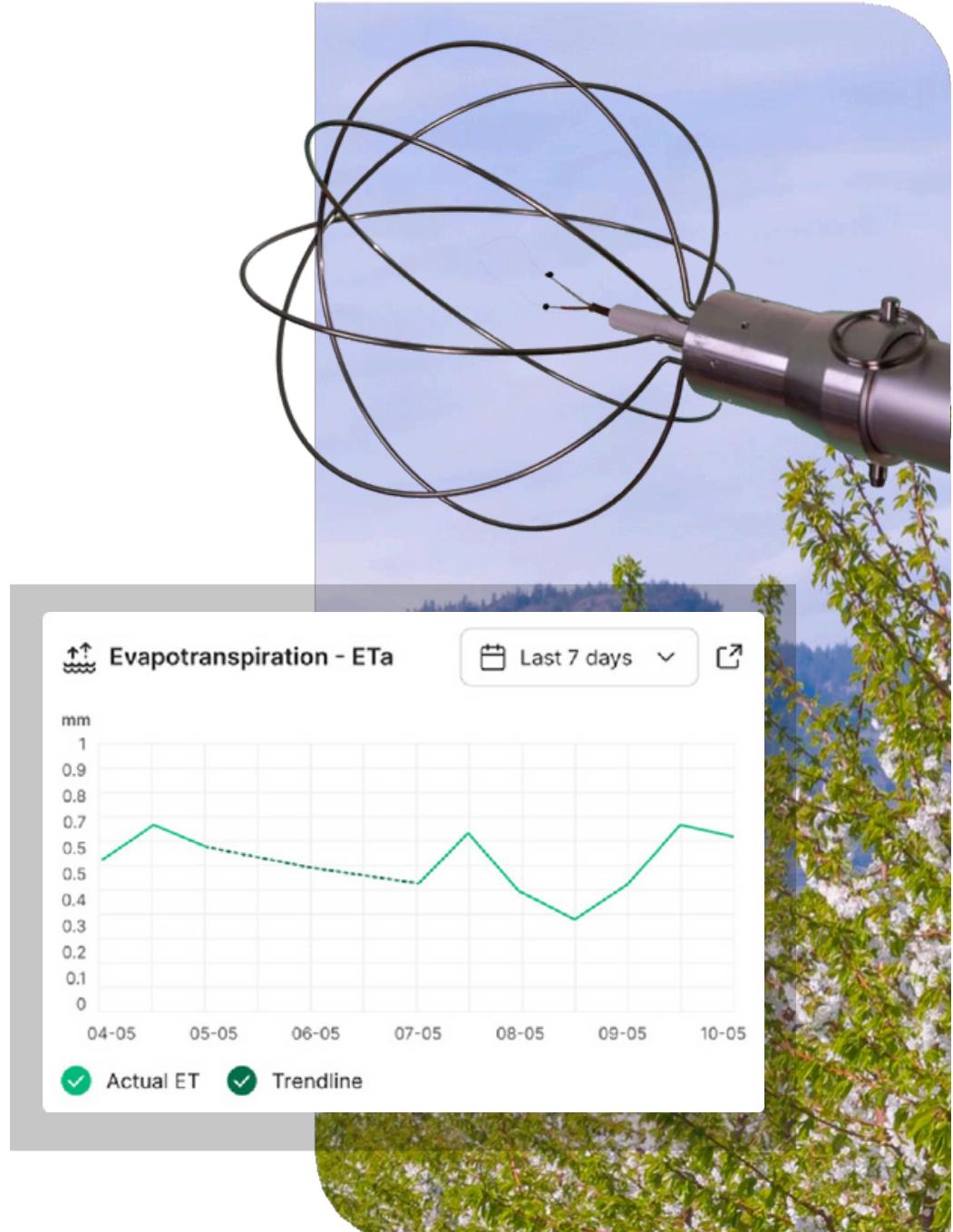
Affordably measure actual ET with FarmX Evato 1 (ET1)

- World's first and only solution for direct in-field measurement of actual ET of your crops, at an affordable price
- Track crop water usage, stress, and canopy growth in real time to refine irrigation decision making in late stage development

## Required Hardware



FARMX EVATO 1 (ET1)  
Actual evapotranspiration sensor





# How Banana Growers Stay One Step Ahead of Leaching Events

Banana growers in the Middle East use FarmX to manage irrigated and rain-fed banana plantations. In addition to using the FarmX system to manage irrigation, users track nitrogen movement in the soil for more precise fertilizer applications to avoid runoff and leaching.



**27%**

YIELD INCREASE

**15%**

FERTILIZER SAVINGS



# FARMX HARDWARE

## GSENSORS

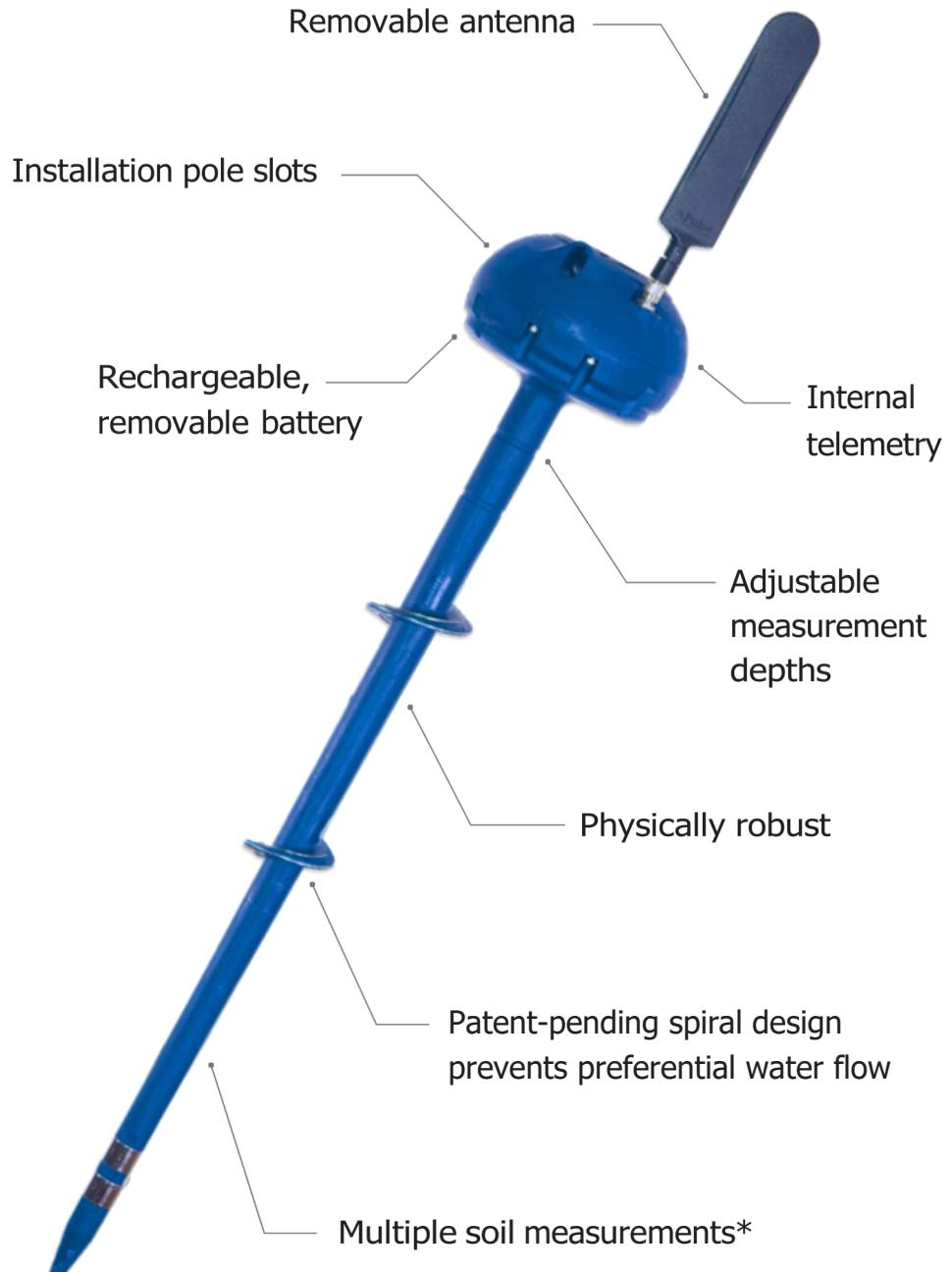


# FarmX Vertex 4 (V4)

## All-in-one soil sensor

The FarmX Vertex 4 is a simple, innovative and cost-effective solution for irrigation management and nutrient monitoring across any crop type or irrigation practice.

The predictive soil data captured by the hardware, combined with an industry-leading agronomic software platform, makes the FarmX Vertex 4 part of the most user-friendly, powerful, and effective agronomic farm management platform on the market today.



\* 66 centimeters (26 inches) with 3 sensors and virtual sensing every 10 centimeters (4 inches), enabling VWC, EC, and soil temperature measurement at 9 possible depth configurations.

## FARMX VERTEX 4 DATA COLLECTION

Intervals of data measurement and transmission to FarmX cloud can be remotely configured and adjusted to each crop's unique needs. Data is geo-tagged based on GPS coordinates creating geospatial time series for all measured data.



### MOISTURE

Measurement of volumetric water content (VWC) values via ADR sensors. Moisture values are converted from electric impedance to VWC levels using a proprietary self-calibration method. Moisture values have an accuracy of +/- 0.5% across a range of 0-60% VWC.



### TEMPERATURE

Measurement with an accuracy of +/- 1 °C (+/- 2 °F) (max) and an operating range of -10 °C to 70 °C (14 °F to 158 °F). Each unit also measures the internal temperature of the unit above ground, which can help with increasing the precision of weather data.



### ELECTRICAL CONDUCTIVITY (EC)

Measurement in decisiemens/m, with an operating range of 0-5 decisiemens/m (bulk), representing the soil salinity level, which can be used to manage crop salinity regime.



# FarmX Evato 1 (ET1)

## Actual ET sensor

With actual ET data from the FarmX Evato 1, growers can now access direct measurements to determine the Actual Evapotranspiration (ETa) of a crop.

Track field-specific crop water use over a broad area in real time! When ET sensors and soil sensors are used together, the FarmX Irrigation Planning capability offers the most complete picture of field water movement.



## FARMX ACTUAL ET PROVIDES:

Actual Evapotranspiration (ETa) data: FarmX ET sensors measure and monitor the water use of your crop daily, in real time. ETa is measured over a broad area of your field.

Water Use and Availability Monitoring: With crop water use data plus soil water availability monitoring from soil sensors, you can confidently make precise, profitable, and responsible irrigation decisions.

## Additional Required Hardware



### FARMXTELEMETRY 2 (TD2)

Field data gateway

Pivot or field mount options

## NOT ALL ET REPORTS ARE CREATED EQUAL.

Traditionally, growers use imprecise methods like Reference ET, Model ET, and Crop ET to deliver agronomic recommendations.

The FarmX Evato 1 uses Actual ET (ETa) to make precise recommendations that drive real results.

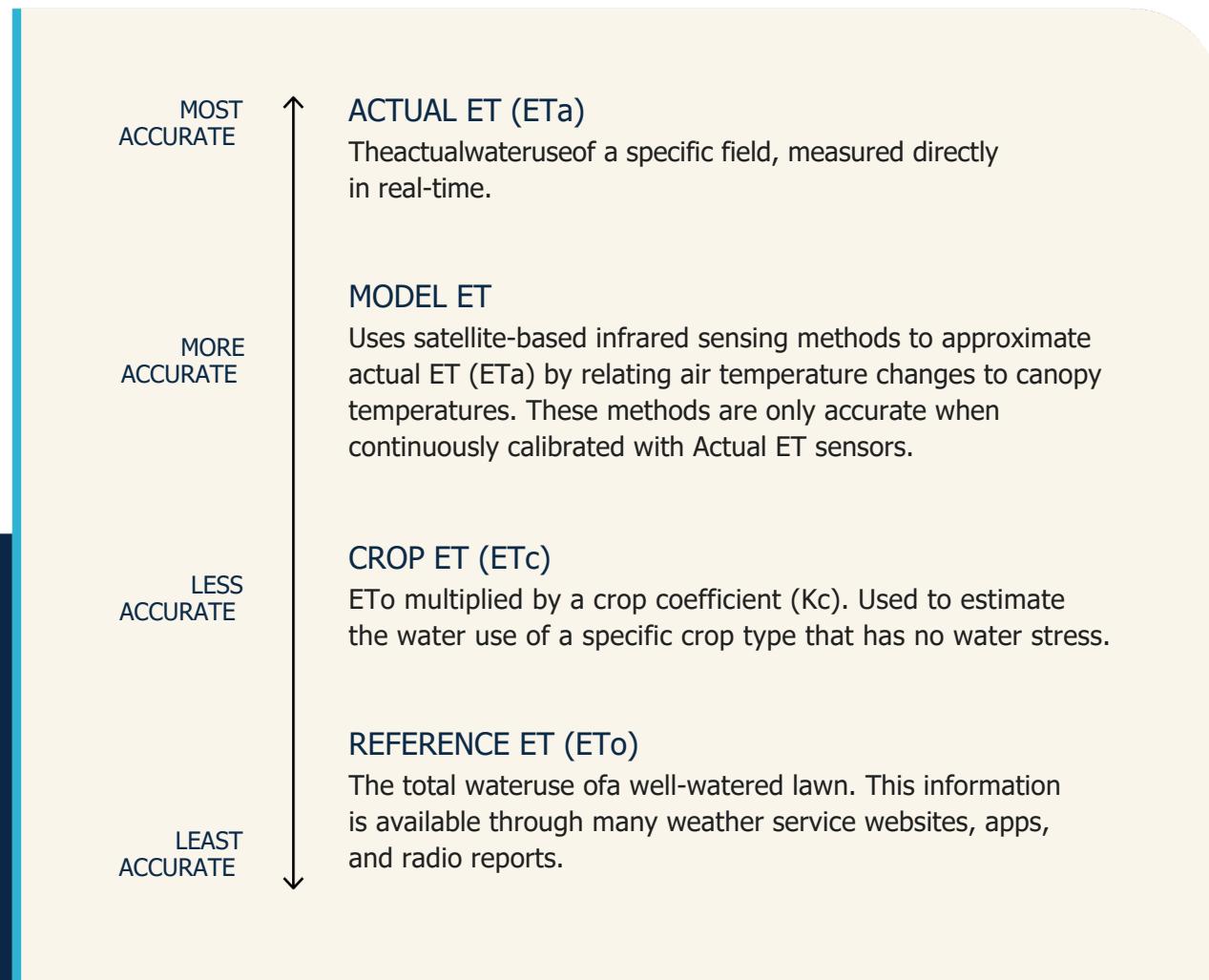


Photo by Philippa Wright of FarmX NZ dealer KwiKiwi

# FarmX Strato 1 (ST1)

## All-in-one weather station

The FarmX Strato 1 weather station measures temperature, humidity, wind speed, wind direction, rainfall, and solar radiation to bring cutting-edge precision to your farm, empowering you with real-time hyper-local weather data you can rely on. The all-in-one station comes pre-assembled with all the sensors, power, and connectivity included in a compact package ready to mount.

With high-quality, high-precision components that have been field tested for 10+ years worldwide, we give you peace of mind that your reliable weather station will withstand the harsh elements year after year after year.

An all-inclusive and affordable annual subscription provides seamless integration into the FarmX platform and world-class support.

## Additional Required Hardware



**FARMX TELEMETRY 2 (TD2)**  
Field data gateway

Solar panel for continuous wireless operation



Rechargeable, replaceable Li-ion battery

Includes FarmX Telemetry device with cellular connection

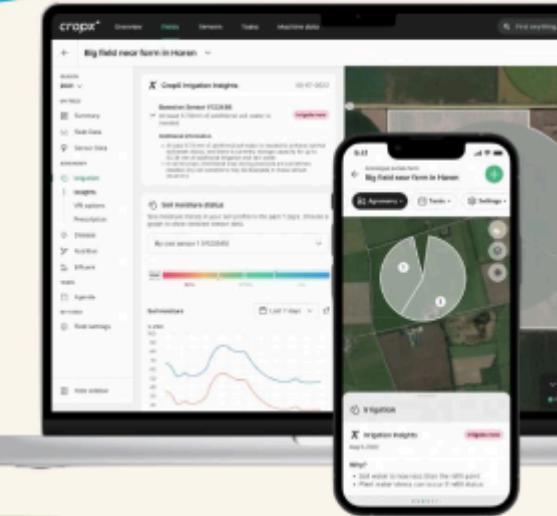
# USE EVERY DROP WISELY

## IRRIGATION MANAGEMENT

Getting irrigation right is a cornerstone for successful crops and healthy soils. Save water and help crops perform by irrigating before plants show signs of stress.

Know exactly when and how much water to apply.

Track, compare and report your irrigation practices.



### Field Map

Visual display of water fill levels in a field



### Irrigation Insights

Recommendations on when and how much to irrigate



### Variable Rate Irrigation

Match water rates with soil type or topography



### Profile Summary

Graphical view of water fill levels for past and future dates



### Soil Moisture Status

Quick reference of Refill, Optimal, or Full level status



### Irrigation Records

Record, track, and report irrigation events throughout the season

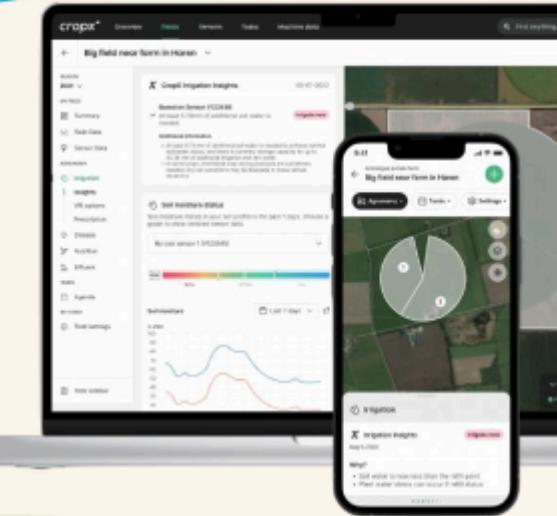
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### Irrigation Records

Record, track, and report irrigation events throughout the season

# FarmX Rivo 1 (RG1)

## Rain gauge

The FarmX Rivo 1 connects rainfall data to the FarmX agronomic farm management platform via the FarmX Telemetry 2 (TD2) device. This combination provides users with a cost effective solution for increasing data connectivity and generating agronomic insights. Knowing the exact rainfall helps you make data-based decisions at the field level.

The FarmX Rivo 1 is easy to install and activate. It features a season-long\* battery life and can be fitted with an optional solar panel for year-round operation. In addition, it allows for connecting to a wide range of supplemental sensors.



Dimensions:  
17 x 26 centimeters  
(6.5 x 10 inches)

Weight: 0.38 kilograms  
(13.4 ounces)

## Additional Required Hardware



FARMX TELEMETRY 2 (TD2)  
Field data gateway

\* Depending on crop/season length and configured communication interval

# FarmX Telemetry 2 (TD2)

Field data gateway

The FarmX Telemetry 2 lets customers connect FarmX sensors with the powerful FarmX solution. It also allows customers to connect with third-party sensors, including a variety of soil moisture sensors and rain gauges.

Data collected from connected devices is fed into the FarmX system, allowing users to access data visualizations and agronomic advice from their desktop or mobile devices.

## FARMX TD2 CONNECTIONS

Each FarmX telemetry device has two SDI-12, two pulse and one current loop (4-20 mA) input(s) available to connect the following devices:

SOIL SENSORS	RAIN GAUGES	OTHER DEVICES
Sentek	FarmX	Flow meter
EnviroPro	Davis	Effluent pond level meter



Optional solar panel

Season-long  
battery life

Sleek design with  
tool-free installation

Ability to connect  
to a broad range of  
sensors



# Keeping a Sensitive Crop in Balance, Worldwide

Growers across 3 continents used the irrigation and nutrition management capabilities of FarmX to manage sugarcane, which is highly sensitive to both under- and over-watering. Nitrogen management is critical as well, to avoid leaching and soil build up.



 **70%**

AVERAGE YIELD  
INCREASE



## GLOBAL

PROFIT DRIVER ACROSS  
SOUTH AMERICA, AFRICA,  
AND AUSTRALIA

# 3 STEPS TO PRECISE,

## POWERFUL INSIGHTS

Whether you're managing 20 farms or just one, getting set up on the FarmX platform hardly requires lifting a finger. Here's how to do it:

### STEP 1

#### Get the App Create a FarmX Account

Download the FarmX app from your device's app store, then create a FarmX account from the app's home screen.

### STEP 2

#### Set Up Your Fields within the FarmX App

Quickly and easily create your field(s) in the FarmX app. You'll start seeing satellite imagery and other data almost immediately.

### STEP 3

#### Install Sensors Connect to Farm Machines

Deepen the insights available to you in the app by installing FarmX sensors and connecting to other farm machinery.



## CONTACT DETAILS

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