



cropx

Rodney Industries

The Power of Technology for Agriculture

2024





THE AGRONOMIC FARM MANAGEMENT SYSTEM

The CropX agronomic farm management system is an easy to use integrated hardware and software system that connects farm data, real time conditions and agronomic knowledge to provide guidance for successful and sustainable farming, while aggregating all agronomic farm data in one place for easy tracking and sharing.

CropX aggregates data from in and around the farm and transforms it into useful information to help farmers monitor the health of fields and crops. The information is easy to access and provides a holistic overview of field conditions. Insights and advice for performing irrigation, disease, nutrition and effluent management activities, helping users minimize the use of inputs while maximizing yields. It's so clear that you don't even need agronomic expertise to achieve great results.

Whether you want to reduce inputs, or ensure your yields are protected from disease, CropX offers a complete agronomic farm management solution for you. Know exactly what your plant needs and when.





The CropX system synthesizes data from soil to sky on a user friendly app capable of managing numerous farms and fields from one account.



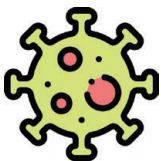
FIELD DATA MANAGEMENT

Know to grow- CropX aggregates real time data to help farmers monitor the health of fields and crops.



IRRIGATION PLANNING

Use every drop wisely - Know exactly when and how much water to apply. Save water and avoid crop stress.



DISEASE CONTROL

Proactively protect crops - Optimise spray timing by knowing exactly when, where and what to apply. Save costs while maximising protection.



NUTRITION MONITORING

Ensure soil supports growth - Control costs while maximizing yields with this first-of-its-kind solution for continuously monitoring salinity and nitrogen leaching.



EFFLUENT IRRIGATION

Turn a problem into an asset - Allows farmers to turn animal waste into an asset that grown their pastures and crops while minimising runoff and leaching.



FARM DATA CONNECTIVITY

Connect the dots - Connect thousands of data points from sources on and around the farm onto one platform.



TRACKING AND REPORTING

Simplify traceability - With a click of a button, CropX will compile data in a report format for easy and comprehensive review.







Use Every Drop Wisely

OPTIMISE WATER USE

Effectively managing water in the crop root zone will improve water and nutrient use efficiency and visibility into changes in soil moisture leads to more precise irrigation control. Therefore, the irrigation management capability of CropX is continuously monitoring this data and providing insights and advice on irrigation activities.

AVOID PLANT STRESS

With the use of real-time data from soil sensors, CropX is able to provide predictive insights that allow growers to take proactive action prior to plants showing visible signs of stress. Growers know at all times if a field is at, above, or below optimal moisture levels.

SIMPLIFY IRRIGATION PLANNING

Make confident irrigation decisions, automate irrigation schedules and implement variable-rate irrigation to tailor your actions to the needs of each field.

Real-time data, advice, and automation accessed from desktop or mobile devices doesn't only save water and resources, it saves time – the valuable time of the field managers.












Sensor Graphs

See moisture trends in your soil profile in the past 7 days.

Latest Measurements

Depth	Temperature	%VWC	Last 7 days	1 day %
10 cm	21.4 °C	45.4 %		+5.1% 
20 cm	21.4 °C	45.4 %		+5.1% 
30 cm	21.4 °C	45.4 %		-1.2% 

Detailed Graphs

Moisture (%VWC) 

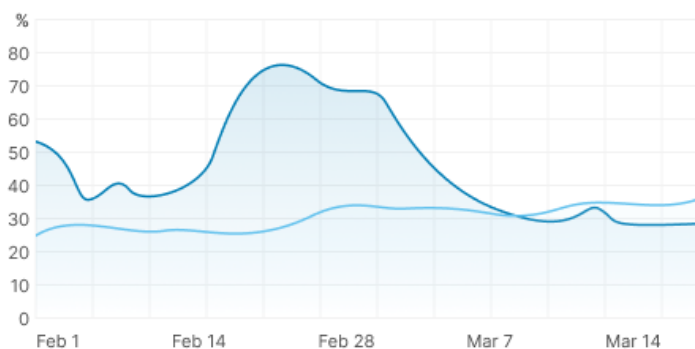
1D

7D

1M

3M

1Y



Moisture (20cm)



Moisture (46cm)



CropX Sensor (V151245)

Field in Groningen, Netherlands

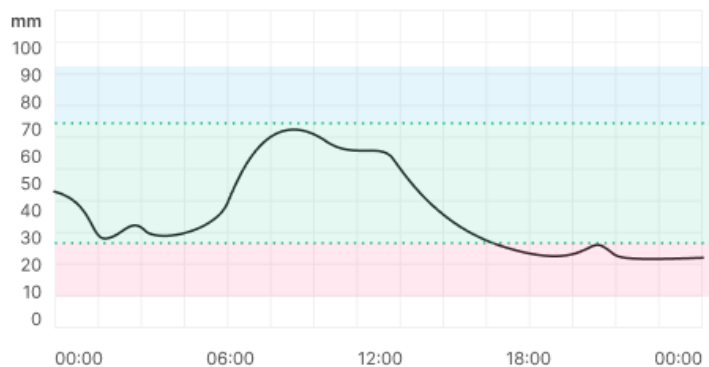
[Show on map](#)

Last reading
17-06-2022 08:41

Sensor status
● Online  69%  37%

Installation date
21-02-2022

Sensor location
41.95033, -83.59286





Easy-to-install, Accurate, Dependable Hardware

Data from below the ground is essential for providing accurate and predictable agronomic insights. Using sensors to capture data enables CropX to generate recommendations on what a plant needs before it starts showing stress.

The CropX soil sensor collects data on soil moisture and temperature, and electrical conductivity.

- Unique spiral design improves accuracy of soil data readings
- A CropX sensor can be installed by anyone within 5 minutes
- Built-in telemetry and power source eliminates the need for an extra device



THE PREDICTIVE POWER OF





**KNOW
EXACTLY
WHAT YOUR
PLANT NEEDS
AND WHEN.**

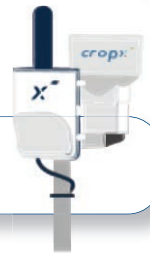
ABOVE THE GROUND DATA

Satellite Data



IN THE FIELD DATA

Weather Data & Forecast



Machine Data



Farmer Input



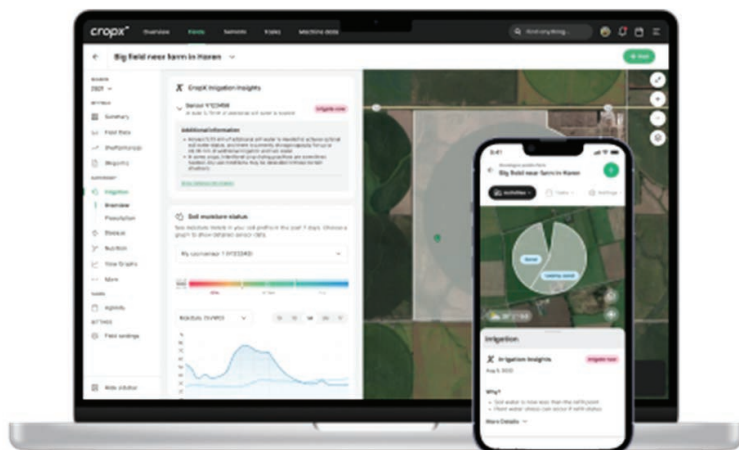
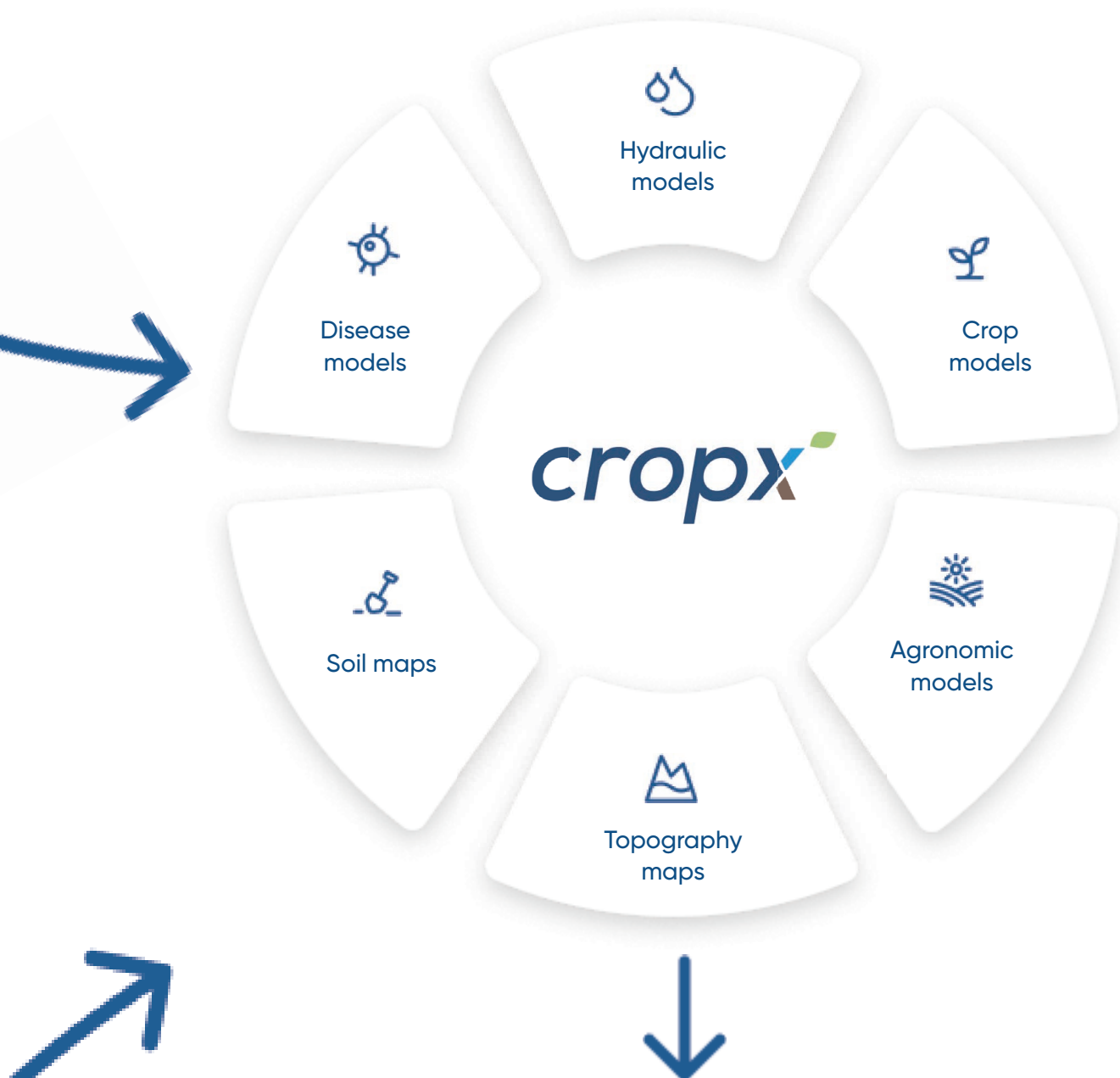
Farm & Field Information



BELOW THE GROUND

Soil Sensor





CROPX AGRONOMIC FARM MANAGEMENT SYSTEM

- Field Data Management
- Disease Control
- Effluent Irrigation
- Irrigation Planning
- Nutrition Monitoring
- Tracking and Reporting



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