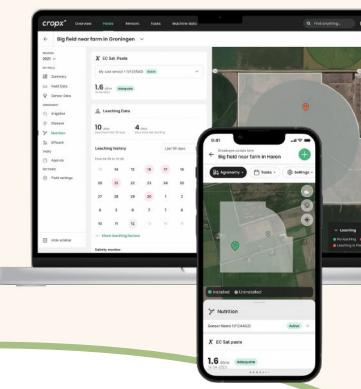
# cropx

# **ENSURE SOIL SUPPORTS GROWTH**

## **NUTRITION MONITORING**

By measuring EC Saturation Paste and providing expert insights, CropX helps farms control costs while maximizing yields with this first-of-its-kind solution for continuously monitoring salinity and nitrogen leaching. Notifications of leaching events are sent directly to your phone while the history and factors behind are recorded.



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### **EC Saturated Paste**

Evaluates the plant salt and nutritional levels in real time



### **Salinity Monitoring**

Provides real-time measurements of salinity in the soil, allowing users to see salt buildup

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### **Leaching Records**

Track and report a season-long view of nitrogen leaching events

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### **Fertilizer Application Records**

Manually enter nitrogen application activities for tracking and record keeping purposes

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### Leaching Data

Graphical view of the variables that contribute to nitrogen leaching

#### **Continuously Monitor Nitrogen**

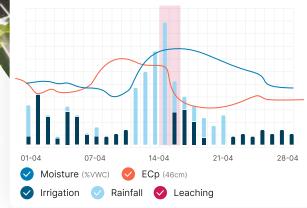
Monitor plant uptake and utilization of crop nutrients throughout the season. Know what your crop is absorbing, what's available for future uptake, and if nutrients are being lost.

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	Leaching Data						
	10 days Leaching in last 30 days Days since last leaching						
	Leaching history				Last 30 days		Ħ
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
N.	27	28	29	30	1	2	3
1	4	5	6	7	7	8	9
2	10	11	12	13	14	15	16

#### <u> <u> ↓</u> Leaching factors </u>

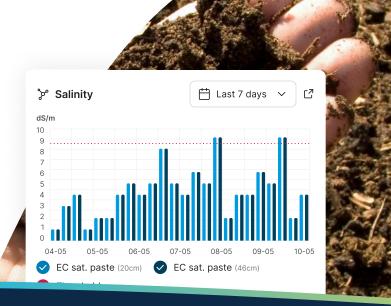
Leaching is driven by soil moisture and nutrient concentrations. CropX uses a combination of sensor data along with soil and weather parameters to identify leaching events, allowing for timely soil management to minimise nutrient loss and boost crop health.

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### **Reduce Impact of Leaching Events**

Users can track and report a season-long view of nitrogen leaching events to demonstrate responsible nitrogen management, or establish the conditions that lead to leaching events then make adjustments to prevent future occurrences.



#### Manage Soil Salinity Levels

This solution for salinity monitoring is easier, less time-consuming, and able to supply immediate results compared to conventional lab soil sample method of measuring the saturated paste EC (electric conductivity).

