

## Soil moisture monitoring

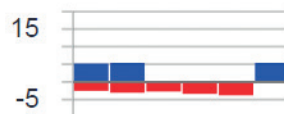
Water is a costly and limited resource and the amount and timing of crop irrigation can have a massive impact on crop yield and quality. Good irrigation management requires knowledge of the soil moisture status.

- Soil moisture monitoring provides multi-depth soil moisture information, which can be linked to Soil Management Zones.
- Enables more efficient use of water and helps optimise the yield and quality of your crops.
- Network link with weather stations or add additional in-crop sensors for improved decision support e.g pest & disease forecasts.

## Smart Dashboard



- For quick viewing of soil moisture status in mm SMD, soil temperature, rainfall and Eto.\*
- Fingertip access 24/7 via computer, tablet or smartphone.



\* Eto – Requires link to appropriate weather station or sensors.

## Personal support

Our group of international and local experts will show you how to interpret and make use of the valuable data. Nevertheless we will look over your shoulder and can provide additional recommendations that will pop up automatically when you access the dashboard. This way we make the technology work for you!

***“Irrigation without soil moisture probes is no longer an option for our quality crops. We rely on them.”***



# RMA



*“Seeing how the wetting front moves within the root zone has allowed me to make better use of my irrigation”*

## Monitoring your crops remotely



First probes are installed to establish soil moisture readings.

Soil moisture probes and rain gauges are fitted with a telemetry unit that can be equipped with SIM card, LoRa or SigFox to deliver the data into the cloud.

The probes provide site specific soil moisture information in near real-time at 10cm levels in the soil.



The probes can be positioned using different types of soil scans to create specific management zones.

Other weather sensors can be added to soil moisture stations for additional Decision Support e.g. for pest & disease forecasts/models, day degree calculations.

## Dashboard

Our dashboard is a localised soil management tool allowing customers and agronomists to accurately monitor soil moisture performance, helping to support decision making on farm. The platform highlights the soil water state in mm of SMD within the soil profile.

### Key Features:

- Multiple probes and installations, all managed in one place
- Soil moisture state shown in mm of water deficit
- Additional graphical display of each active probe
- Near-live soil moisture information in designated management zone
- Combination with rainfall & evapotranspiration for better understanding

