

RHIZA

ENVIRONMENTAL SERVICES



Monitoring for improved decision support

Good irrigation management requires knowledge of the soil moisture status.

Water is an invaluable and limited resource. The amount and timing of crop irrigation can have a great impact on crop yield and quality.

RHIZA IS AGRII'S DIGITAL AGRONOMY AND PRECISION FARMING PARTNER

AGRII CAN SUPPORT YOU WITH:

- + A core network of 230+ weather stations for farmers, growers and land users across the UK.
- + Integral to this network is a similar number of soil moisture stations. Many of these are installed on a seasonal basis to support crop specific decisions on irrigation scheduling and to improve water use efficiency.
- + Monitoring data is used to inform decision making on crop protection choices through a diverse range of plant pest & disease models but also in other areas such as crop nutrition.
- + All sensor data and decision support tools are available through the RHIZA Connect app.



www.agrii.co.uk

RHIZA **Agrii**™

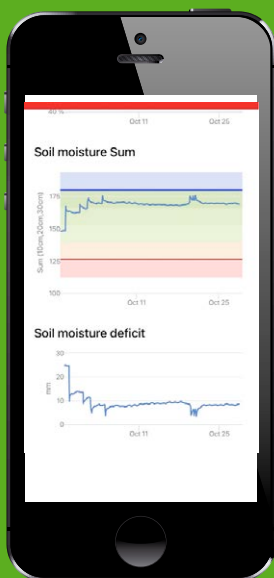
RHIZA Connect

The RHIZA Connect app is a joint initiative between Agrii, RMA and Anglian Water and provides highly localised weather information from fields, orchards and vineyards across the UK.

Information at your fingertips:

- + **Weather forecasting** (available up to 2 and 8 days ahead)
- + **Weather history** from 8 days and 12 months of historical data
- + **Two tier spraying conditions forecast** with 5-day outlook
- + **Wide and developing** range of pest & disease forecasts
- + **Multi-depth** soil moisture and ETo data

Localised weather information is available at any time in the RHIZA Connect app



Smart Dashboard

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

The dashboard allows quick viewing of multiple probes and installations all in one place and can be accessed via computer, tablet or smartphone.



Quickly access soil moisture data in the field via smartphone, tablet or laptop

Soil Moisture Monitoring

RHIZA soil moisture sensors:

- + Provide **multi-depth soil moisture information**, which can be linked to Soil Management Zones
- + **Enable more efficient use** of water and help optimise the yield and quality of your crops
- + **Link to a local Agrii weather station** or feature additional in-crop sensors for improved decision support e.g. pest & disease forecasts and nutrient management



Monitoring your crops remotely

- + **Probes are installed** to establish soil moisture readings
- + **Probes and rain gauges** are then fitted with a telemetry unit - these can be equipped with a SIM card, LoRa or SigFox to deliver data into the cloud
- + **Various types of soil scans** are carried out to determine where the probes should be positioned

To find out more about how RHIZA Environmental Services can help grow your business, contact RhizaWeather@agrii.co.uk (0)3300949150, or your local RHIZA or Agrii contact.