

**PRECISION
IRRIGATION
FOR SOIL CROPPING**

WHY SCHEDULE YOUR IRRIGATION?

- Applying irrigation water is expensive
 - Incorrect irrigation will adversely affect your crop
- Know exactly what to apply and when**



Irrigation Scheduling & Management

We've been analysing in-field sensor data for over 30 years

Now utilising the latest SMART NBloT technology to "connect" the field to the cloud

In house cloud based web portal for data analysis - designed for Growers by Growers – analysing big data made quick and easy to aid key decision making

Data updated every 15 minutes 24/7 365

Benefits include:

- On site visits and consultancy together with off site support
- Repeat results year after year creating blueprints for differing crops / varieties
- Enhanced quality and yield
- Reduced costs – Water, Fertiliser, Electricity, Labour
- Environmentally friendly – reduced carbon footprint
- Optimise water resource and fertiliser uptake- reduces unnecessary waste
- Add Enviro-sensors to see how the growing environment affects plant water demand
- Quick ROI



SMART Sensors for in-field deployment





Agri-tech Precision Soil Irrigation Scheduling using SMART Sensor Technology

Agri-tech Web Portal

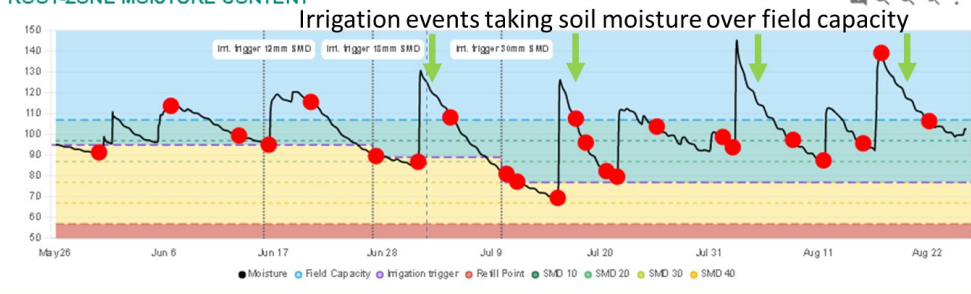
Data displayed includes;

- Rootzone moisture content (mm)
- Soil Moisture Deficit (mm)
- Crop water use (mm per day)
- Irrigation trigger point
- Predicted irrigation date
- Rainfall
- Soil temperature & Climate

Agri-Tech Demo Farm soil Fields

Name	Moisture	SMD	24hr Water Usage	Irr. Trigger	Predicted Irrigation
AGRI-TECH SOIL FIELD	 221.82	8.18	0.10	200.00	03/03/23
ATS CARROTS	 77.06	28.94	5.41	61.00	30/07/22
ATS POTATOES	 77.09	23.91	3.23	66.00	31/07/22
ATS ONIONS	 98.32	8.68	4.08	82.00	31/07/22

ROOT-ZONE MOISTURE CONTENT



Continuous Monitoring – Soil

Web based – “video” of your soil moisture – no software required – if you have internet access you will be able to get up to date soil moisture and rainfall information for your fields.

See events as they happen direct to your PC or SMART phone – updated four times per day. How effective was that last rainfall / irrigation event? – Agri-tech’s on-line service will remove the guesswork

Agri-tech consultancy / support ensures secure data 24/7. Moreover our data interpretation backed up by periodic on site visits throughout the growing season ensures you are getting the right advice at the right time.



Agri-tech Services (UK) Ltd
Shefford Hardwicke Farm
Bedford Rd Shefford
Beds SG17 5NU
United Kingdom

Tel: +44 (0)1462 813303
Fax: +44 (0)1462 815684
Email: sales@agri-tech.co.uk
Web: agri-tech.co.uk