



agrovista  
decision support



# Weather and decision support services

Improved decision making  
whatever the weather



growing through **innovation**

# Agrovista weather and decision support

In recent years, the UK has experienced the extremes of mother nature, whether that be severe flooding, or persistent drought. Seasons are no longer as distinct or predictable, so as a nation, we must adapt.

As uncertain as the weather is, one thing is certain – we cannot control it. But despite this, businesses must continue to function to the best of their abilities, come rain or shine. So finding ways to work with the weather is pivotal in ensuring business profitability.

Our resources are finite. With around 70% of global water used for agriculture and food production, there is increasing pressure on growers to use water more effectively. As well as exercising sustainable environmental practice, good water management also helps to maximise yields and improve business efficiency.

Here at Agrovista, we ask the question - how can we prepare ourselves to make the most of the weather that does come our way? We firmly believe the answer is technology. By using the latest forecasting and monitoring tools, you can work with the weather to plan your farming activities and stay one step ahead.



*"These services are ideal for those forward-thinking businesses who know that every hour, if not minute, counts."*

**James Martin**  
Weather & Decision Support  
Systems Manager





Improve the agility of your business and give it a fighting chance by implementing our five ways to work with the weather.

**Pick and choose depending on your type of business.**



Be Live	View on-site weather data and receive weather alerts in near-real time for any location from any device
Optimise	Make every drop of water count by using soil moisture sensors to track rainfall at field level so you can schedule and economise irrigation.
Forecast	View upcoming spray windows with a tailored farm weather forecast. Use this to improve your fungicide treatment timings and disease control efficacy.
Automate	Save time and money by monitoring and controlling your irrigation system remotely.
Interact	Engage with local disease and pest forecasting services for your crops.

# Be Live

## Weather stations

**Agrovista solar powered GPRS weather stations provide high-quality weather data from any location.**

Measure rainfall, temperature, relative humidity, solar radiation, wind speed/direction, soil temperature and evapotranspiration.

Disease risk reports can also be generated to support input decision making for farm or amenity use.

Notifications can be created at any threshold to alert of critical conditions such as frost, heavy rainfall or high wind.

Data is available in near-real time for any PC, smartphone or tablet with an internet connection.

Includes installation. Additional service contracts are also available.

## Optimise

### Soil moisture stations and sensors

**Measure rainfall and soil moisture at multiple depths and temperatures with a range of customisable sensor options.**

Near-real time data is displayed in easy to interpret graphics to aid decision making and improve water management.

Suitable for monitoring root vegetable, potato and fruit crops. Additional probes available for covered crops.

Network linked to the Agrovista weather stations and can be used alongside forecasting options for coordinated planning.



## Forecast

### Tailored weather forecasting and disease modelling

**Plan ahead with tailored location-specific weather forecasts to help optimise your spray windows and improve treatment timings.**

Available for PC, tablet or mobile phone.

Our web app is post-code based, using a variety of crop models to predict disease events and suitable spraying opportunities.

Or, receive a daily forecast for your area via e-mail. This is available in standard or Xtra versions – Xtra calculates a disease risk forecast for the following five days based on your own weather station data.

Agrovista can also provide a disease modelling Decision Support System (DSS) to further enhance your plant protection product timings.

DSS are based on data such as field location, crop growth and development, variety susceptibility and local infection sources.

These systems require access to reliable local weather data and are available for both arable and vegetable crops.

# Automate

## Wireless irrigation control

**Monitor and control your irrigation system remotely from your pc or smartphone – ideal for busy growers who want to be smart with water use.**

We can enable you to automate solenoid valves by wireless radio link, with a range of up to 2000m +  
Programme your irrigation run times and make changes on the fly.

Coordinate with additional monitoring stations and adjust irrigation timings accordingly to match crop water demand.

Cost effective solution – avoid laying metres of cable around your farm.

# Interact

## Growers Choice Interactive

**Growers Choice Interactive (GCI) from Agrovista is a web-based, pest and disease service that uses the latest computer modelling techniques to ensure effective use of plant protection products in fruit crops.**

Using weather data from a network of stations, coupled with disease prediction software, you can access graphs showing:

- Weather data
- Scab infection risks
- Canker infection risks
- Codling moth flight activity, egg deposition and larval emergence

Data is updated every 60 minutes to maximise control efficacy and improve application timings.

This subscription service also includes mobile phone text alerts as well as telephone contact to an Agrovista agronomist.



Speak to your  
local agronomist  
or visit  
[www.agrovista.co.uk/decision-support](http://www.agrovista.co.uk/decision-support)



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