

Automatic Weather Stations

keeping you informed

Growers who want to make the most informed property management decisions need access to the most relevant weather data possible.

The installation of automatic weather stations with the capabilities to transmit information back to a grower's personal computer gives them an accurate reading of prevailing weather conditions across their property.

how can weather monitoring help?

Weather monitoring assists growers in making informed management decisions on:

- Integrated pest management
- Fertiliser and pesticide application
- Calculation of evapotranspiration
- Frost/heat monitoring
- Soil moisture
- Irrigation scheduling

key attributes

- Compatible with EnviroSMART™ cable free soil moisture equipment
- Data is site specific and user owned
- On-board statistical functions, including calculation of reference crop evapotranspiration (Penman-Monteith), chill hours and degree day factor.

“ *... make the most informed property management decisions* ”



download to your PC by:

- Direct connection
- Modem
- Radio
- GSM link

measurements

The following measurements are recorded:

- Ambient temperature
- Relative humidity
- Solar radiation
- Wind speed
- Reference crop evapotranspiration
- Wind direction
- Rainfall
- Soil moisture
- Leaf wetness

Soil Water Monitoring

sales, installation

AgriExchange offers a comprehensive soil water monitoring service.

We have access to and an intimate knowledge of a wide range of products and have worked with several leading firms to develop transmission technology. We know what system best suits each property's needs.

analysis

Once the soil water monitoring equipment is installed, AgriExchange offers ongoing soil water data interpretation and irrigation management consulting services to assist growers to maximise their returns and minimise their inputs.

Our advice is based on precise soil moisture data collected from moisture sensors, in-field soil moisture assessments and field observations.

Our experience includes a multitude of annual and perennial crops and extends to our own farms. AgriExchange manages over 3400 hectares of citrus, avocados, persimmons, mangoes, wine and table grapes. Irrigation strategies have been tried and proven on these farms.

Services can be provided on a contract or casual basis and be tailored to suit a customer's requirements. Consultations usually include interpretation of sensor data in conjunction with in-field inspections.



maintenance

To maintain trouble free operation of EnviroSCAN systems, regular maintenance is essential. Water infiltrating access tubes can occur over time but can be managed by regular changing of a silica gel sachet. Solar panels must be kept clean for optimum efficiency and batteries require replacing from time to time.

None of these tasks are beyond the capabilities of the user, however, it is AgriExchange's experience that users generally fail to perform regularly the necessary maintenance checks.

We recommend maintenance checks be carried out quarterly. We offer a Programmed Maintenance Service for users who can't find the time or would prefer qualified technicians to undertake the work.



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