



wise
IRRISYSTEM

"We give voice to your crop"



WISE IRRISYSTEM is an agrotechnology company. Since its origin, it has developed systems for the efficient control of fertigation based on the customisation for each project, according to the needs of each crop. Today, **WISE** manages more than 300 installations with thousands of sensors installed, being the leader in agriculture for the southeast. In this catalogue we present our systems and services.

Our philosophy is what makes us different

We analyze each terrain to determine the specific work parameters and providing a framework reference to give meaning to the measurements

We measure, through pressure sensors, the variables that the farmer wants and needs, emphasising the measurement for soil tension to meet their irrigation needs

We train and accompany the farmer for the correct implementation and interpretation of the information during the first months with WISE



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With the WISE method we create the right conditions to avoid unnecessary stress on the crop, allowing you to use all your energy to generate more production and better quality.

Water is our most precious asset, at Wise our work is aimed at optimising its consumption, impacting directly on the sustainability of our environment.

This is the WISE commitment.

wise *Lite Sol*

Lite Sol is the most widespread version of WISE because of its scalability since it allows the incorporation of multiple measurement points in a very wide radius without the need for cables.

It is intended for all types of crops, and is composed of a Gateway that is installed at an electricity point (although it also supports power supply by solar panel) and the control points that are needed by a variety of sensors.

All WISE systems include soil analysis and training from our technical team.



Web Portal



Sun Data Transmitter



Sol Datalogger



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Lite Sol

WISE Lite Sol has multiple configurations, depending on the needs of the farmer.

The basic equipment includes two high precision pressure monitors.

Additional available control stations:

- Electrical conductivity (EC)
- Temperature, humidity and the calculation of the VPD (Vapour Pressure Deficit)
- Nitrates and potassium
- Dendrometer. (Measuring the perimeter of the tree)
- Pressure monitor station of 90° for substrate
- Two pressure monitor stations for mixed system
- Relative humidity, apparent EC and temperature in soil
- Solar power kit. (In the absence of electricity)
- Solar radiation
- CO2 measurement
- Water meter



Additional WISE services:

- ▶ **Analysis and study** of the physical characteristics of the soil and the calculation of the moisture retention curve (MRC)
- ▶ **User training** for the correct implementation of the Wise model
- ▶ **Hydraulic assessment:**
We analyse the distribution of the irrigation of their land and make a corrective report to achieve the maximum possible uniformity
- ▶ **Adaptation and assimilation** of a maintenance protocol that prolongs the operating life of the droppers
- ▶ **Use of algorithms** for the optimisation of irrigation
- ▶ **Direct activation** of the irrigation controller on the basis of simple and compound conditions

SERVICIO

wise SENTINEL

STANDARD

PLUS

ALERT SERVICE



MONTHLY PROGRESS REPORT



ADVICE SERVICE



FINAL REPORT OF THE CAMPAIGN
PREPARATION FOR NEXT CAMPAIGN





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