



HIDROSOPH

Irrigation with results



+20.000 HA
under
management

+300
producers
+400
users

+500
active
probes

+3500 SMS
sents
+6000
reports

+1500
Units
+100
varieties and
crops





About us

HIDROSOPH specialised in efficient and sustainable water management in agriculture. Since 2008, we have been developing and improving the Irristrat intelligent irrigation management software, integrating and developing monitoring equipment and helping farmers and producers organizations by providing consulting and training services in irrigation management.

What motivates us

Helping to produce excellent products and obtaining consistent results through the optimised application of irrigation water and the consequent minimisation of nutrient losses.

We deliver results

-  **EFFICIENCY** - substantial reduction in water, energy fertiliser and phytosanitary costs
-  **PRODUCTIVITY** - increased crop production and productivity
-  **CONSISTENCY** - consistency between campaigns and multiple production locations
-  **SUSTAINABILITY** - greater environmental protection and sustainability of the use of water

Smart irrigation that delivers results

Easily accessible high technology and technical support always available

Using innovative technology, Irristrat™, which obtains and processes real-time crop, soil moisture and weather data, our team of agronomists analyses what is happening on the land and remotely or locally supports farmers in implementing the most appropriate irrigation scheme in each situation, thus ensuring minimal water and fertiliser waste and achieving the campaign's goals, both quantitative and qualitative. At HIDROSOPH we know that efficient irrigation is only possible with a combination of high technology and easy access to useful information in real time.

Integration of equipment and technologies for greater precision

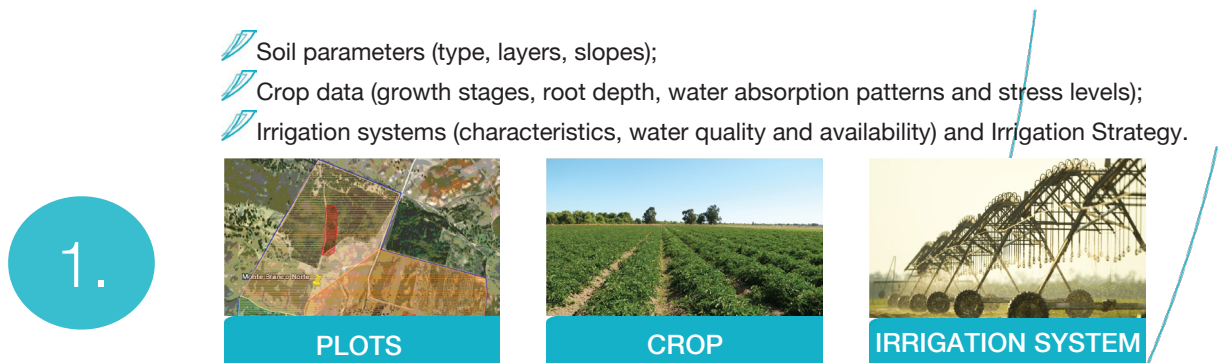
Our working process includes the use of own equipment and equipment from various suppliers, from weather stations, soil moisture probes and flow meters to NDVI satellite images. We integrate all data to ensure total operability and greater irrigation precision, with a broad and detailed vision.

Useful information by SMS and e-mail, instant and easy to interpret

We send simple information when it's most useful, by SMS or e-mail, so that it can be used at the right time. We remove complexity from the way we communicate irrigation schedules, forecasts, probe readings and how readings and images of the crop development are communicated directly from the field.

A real-time process, totally oriented for results.

Projects are customised for each client, with support from agronomy and irrigation experts. Each project is broken down into Irrigation Units, taking into account the following characteristics:



The active elements to collect information in the field are installed and integrated.

- Instruments for collecting meteorological information and rain gauges as well as meteorological forecast.
- Moisture and salinity probes and plant sensors.
- Water metering instruments (flow meters, rain gauges).



2.



Once underway and with the support of our team of consultants and agronomists, the irrigation strategy that best serves your global objectives is defined in Irristrat™.

Based on the weather forecast data for the coming days, Irristrat™ generates the soil water balance, the irrigation plan and the recommended irrigation schedule.

The operation proceeds with:

- Manual or automatic introduction of the irrigation system's actual operating data, as well as the agronomic data that will enable the entire system to be updated;
- Remote monitoring by HIDROSOPH specialists with the submission of recommendations through regular remote conferences to support the farming operation;
- Follow-up in the field by HIDROSOPH specialists, as necessary and previously agreed.

