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iControl Soil



TECHNOLOGY FOR SMART AND SUSTAINABLE
WATER MANAGEMENT

What is iControlSoil?

iControlSoil is a soil moisture monitoring device equipped with three sensors placed at different depths.

Provide accurate, real-time data, it allows farmers to understand the water content in the soil profile, optimizing irrigation practices.

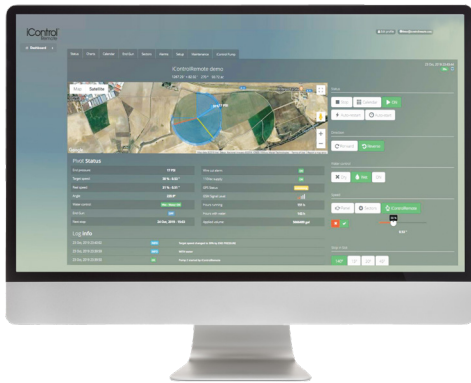


What is it used for?

- Monitors **soil moisture** in real time.
- Helps determine whether water remains in the root zone or is lost through percolation.
- Supports the analysis of irrigation efficiency.
- Provides key data to adjust **irrigation volume and frequency**.

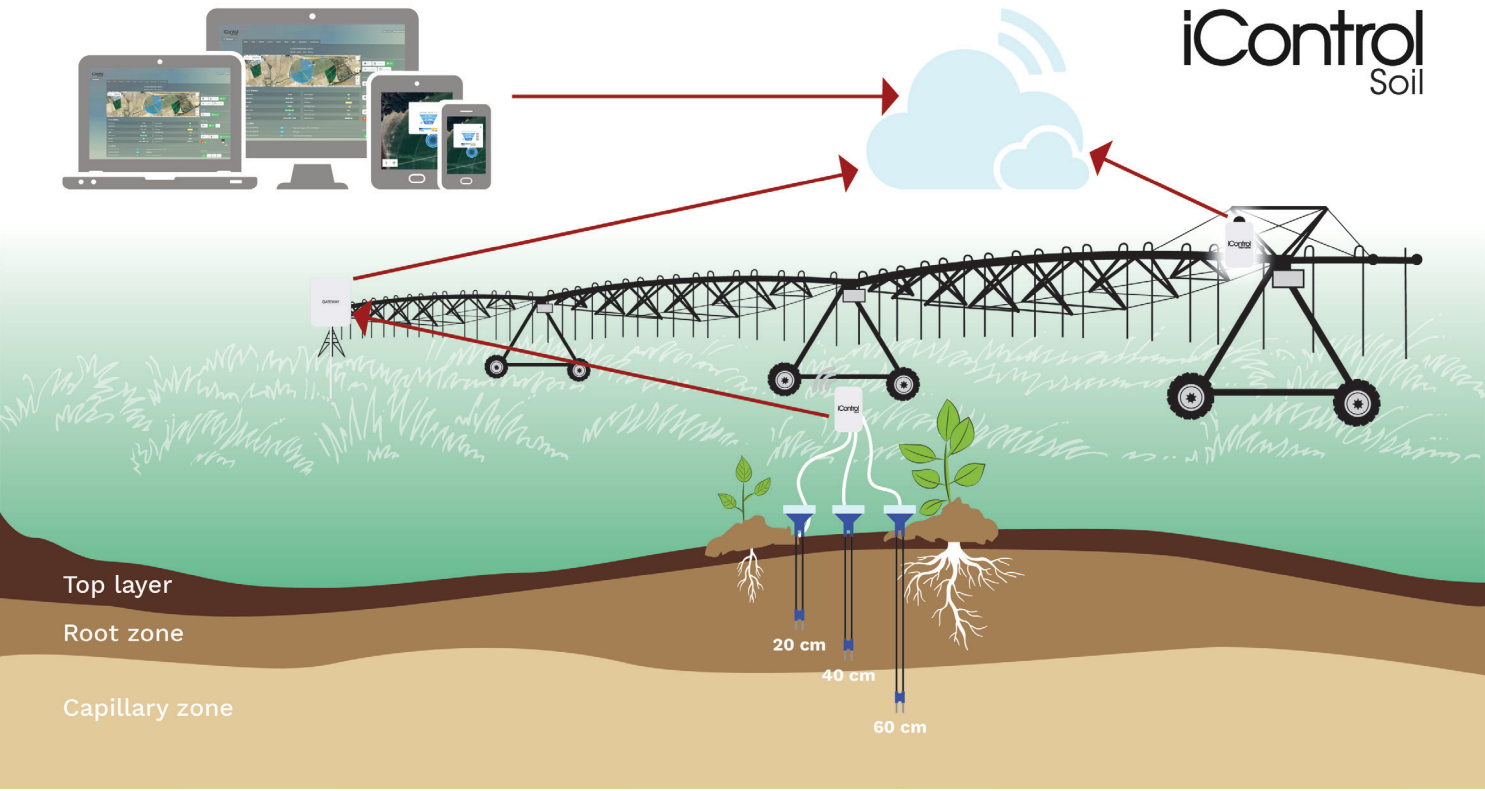
What are the benefits of using iControlSoil?

- **Water savings:** avoids unnecessary irrigation and reduces consumption.
- **Energy savings:** better control leads to less pumping and lower costs.
- **Sustainability:** reduces chemical leaching into the subsoil and prevents surface erosion.
- **Data-driven decisions:** reliable readings with clear visualization.
- **Customizable alerts:** for excess or lack of moisture.
- **Long-lasting autonomy:** up to 3 years of battery life.
- **Full connectivity:** data available at your fingertips.
- **Fully integrated with the iControlRemote app.**



How does iControlSoil work?

- The system captures soil moisture readings every 4, 6, or 8 hours through high-precision sensors. This data is transmitted to the **Gateway**, which sends it to the cloud for real-time access.
- Users can visualize trends, receive alerts, generate reports, and activate irrigation recommendations, tailored to soil type and crop needs, directly from the iControlRemote platform.
- To enhance precision, the system can be optionally integrated with weather stations and satellite-based monitoring tools, such as **NDVI**.



iControlSoil is not just a moisture probe, it's a powerful tool to modernize agriculture and boost farm profitability.

Its precision, long autonomy, and user-friendly interface make it an essential ally for optimizing resources, reducing costs, and enabling more responsible and efficient irrigation.