



FONTEVERDE

COMPANY

Fonteverde is a company with more than 50 years of history, located in Ispica (Sicily, Italy). It is dedicated to different fruit and vegetable crops.

INDUSTRY

Fruits and vegetables

LOCATION

Ispica (Sicilia/Italia)

CROPS TREATED

Peppers

PRODUCTS USED

BrioAgro ViTA7
Contadores

54% less water was used for irrigation during the trial period

Using BrioAgro devices at Fonteverde they have been able to reduce water consumption.

The BrioAgro system has been installed on the farm to compare traditional irrigation with technology-guided irrigation.



Fonteverde, in addition to peppers, produces other crops such as melon with unique organoleptic characteristics or watermelon grown in tunnels. They also produce table grapes, appreciated for their early ripening, color, crisp flesh and pleasant taste.

Questions and Answers

We talked to **Mr. Giuseppe Calabrese and Mr. Carmelo Calabrese** from **Fonteverde** and they answered some questions.

How was your first meeting with BrioAgro?

The first meeting was very interesting, everything was explained precisely down to the smallest detail.

Why did you choose BrioAgro?

We chose BioAgro because we are a company that focuses a lot on sustainability and water saving, it is one of the points where we are focusing the most, also considering the long periods of drought.

In addition, a system where the farmer receives information in real time and supports irrigation decisions is an important aid for correct agricultural practices, as well as for saving water.

How was the installation process?

Simple and fast. We have had some post-installation problems due to the connection of the wires connecting sensor-device/counter-device that we have solved with two interventions.

Goals and challenges

Fonteverde wanted to:

1. Increase sustainability
2. Reduce water consumption
3. Improve agricultural practices
4. Have real-time information and a decision support system.

How it was done

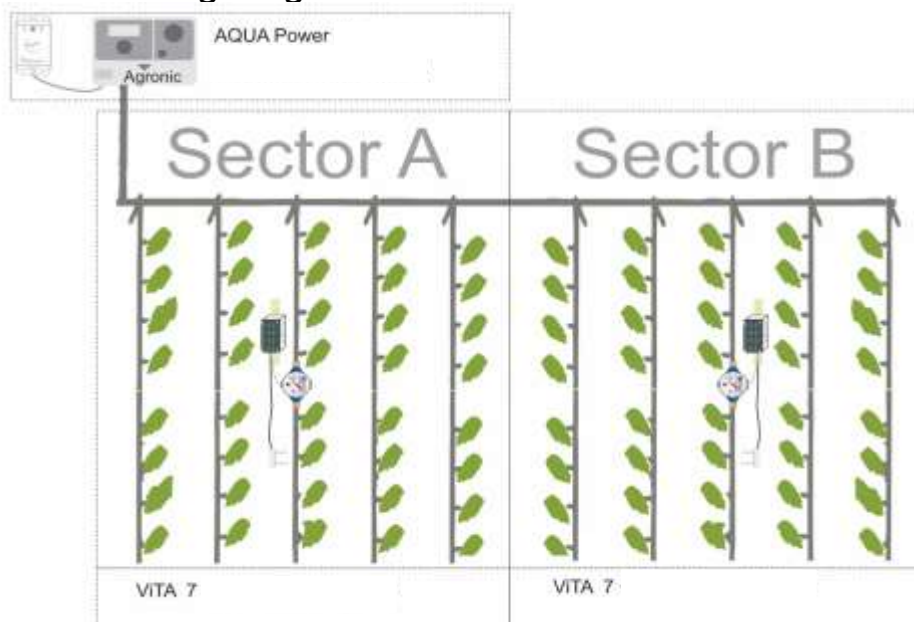
STEP 1

First, BrioAgro performed a **soil characterization** of its bell pepper plantations. With this data, the BrioAgro calibration algorithm for irrigation optimization performed in step 2 was adjusted.

Soil data obtained on the farm	
SAND	9,99%
CLAY	37,4%
ORGANIC MATERIAL	2,40%

STEP 2

We performed a **comparative irrigation test (A/B)** to see if the irrigation management performed by Fonteverde technicians was improved. For this purpose, two BrioAgro ViTA7 devices with drip meters were installed to collect data from sectors A and B. Sector A irrigation was managed following BrioAgro warnings and alerts, while sector B was irrigated independently by Fonteverde technicians, following the criteria traditionally used in the company. This test was carried out from 23/03/2021 to 23/04/2021, as shown in the following diagram:



Results

Sector A, managed according to BrioAgro's warnings and alerts, exceeded the objectives set for Sector B, which was irrigated independently by Fonteverde's technicians, following the traditional criteria used in the company. In particular, the following was achieved:

1. **Water savings:** 54% less water was consumed in sector A than in sector B.
2. **Energy savings:** Sector A consumed 54% less electricity for irrigation.
3. **Peace of mind:** Once the comparative test was completed, the technicians continued irrigating using the indications provided by the BrioAgro system, valuing the fact of having the farm under control at any time from anywhere.



For a free A/B irrigation test on your farm with BrioAgro contact us at info@brioagro.com or call us at +34 687 08 70 13