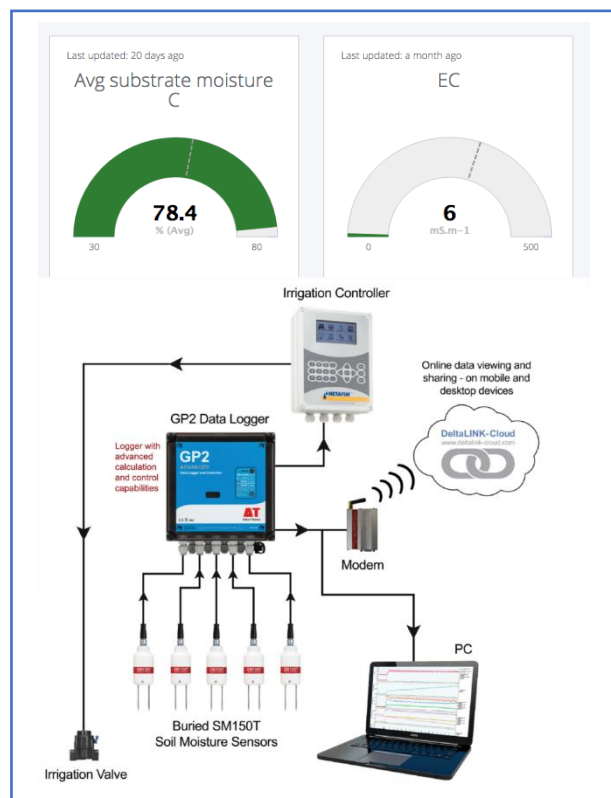


# Precision irrigation systems

## Automated water and fertilization

### What can precision irrigation offer?

Precision irrigation systems such as the **Precision Irrigation Package (The WET Centre, NIAB EMR, Senmatic Intelligent Irrigation Program** and others) uses **real time data** from the sensors in the field (temperature, light intensity, wind, substrate moisture, fertigation input, run-off, etc) to **apply the required amount of water and fertilizers automatically and reliably** at any given conditions with minimal or no labor. These systems can save a significant amount of water and fertilizer, and increase yields/quality and reduce disease risks.



### How do you use the precision irrigation systems?

The systems are installed by irrigation specialists who also train the growers/agronomists on the correct use, possible problems and maintenance. Real-time data from the sensors can be accessed via online tools, and the irrigation/fertigation preferences can be adjusted remotely.

### Scientific background

The optimal values for substrate moisture, EC, run-off, and other parameters are specific for the crop and growing system used. The precision irrigation specialists supplying system can provide the baseline parameters for the majority of commercial crops.

### Pros & Cons

- + superior control over irrigation and fertigation, optimal resource use, low labor cost, easy to use.
- high initial investment, some optimization required for different crops and growing systems

**Price range:** € 3000 – 4000 / measuring system

**Company:** The Wet Centre, Senmatic

### More information?

<https://www.thewetcentre.com/pip/>

[https://www.senmatic.com/media/429754/siip\\_senmatic-intelligent-irrigation-program\\_21062019.pdf](https://www.senmatic.com/media/429754/siip_senmatic-intelligent-irrigation-program_21062019.pdf)