



## DATA DRIVEN IRRIGATION:

Because conventional irrigation systems are often time controlled, they irrigate also during days when it is not necessary. The FieldGuard Smart Irrigation System is data driven. Sensors in the field transmit continuously soil (moisture) data, and compare these values to (optimum) settings in the Smart Irrigation System.

A daily irrigation plan is generated based on the wireless (soil) sensors in the field, the weather forecast and the expected evapotranspiration for the next 24 hours. This plan is real-time adjusted to changes in weather during the day (i.e. rainfall).

Valves in the Smart Irrigation system can be connected directly to the FieldGuard Smart Irrigation Controller, through a so called Valve-Connect box or through a FieldGuard Wireless Valve Controller. The FieldGuard Wireless Valve Controllers a suitable for remote plots and can be used to operate remote pumps and valves.

Using a Modbus TCP/IP connection the FieldGuard Smart Irrigation System can operate pumps, pH and EC dosing systems or other fertilizers and cleaning systems in your irrigation system. Pressure, flow, pH and EC can be adjusted for each individual sector.

