

Filiz & FilizPro

Agricultural Sensor Station

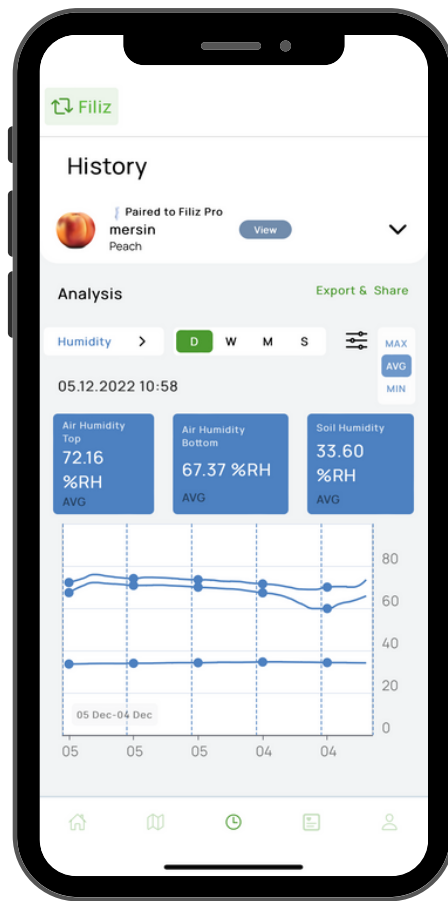




The Agricultural Sensor Station monitors the soil and weather conditions in your field and provides recommendations to optimize your irrigation, disease risk management, frost risk management and spraying decisions.

Monitor Soil and Weather Data Remotely and Take Action on Time

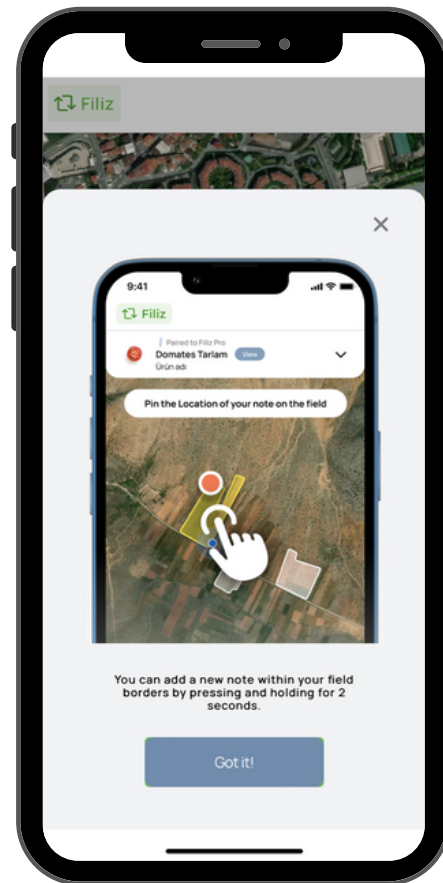
- Soil temperature, soil moisture, air temperature, relative humidity, precipitation, wind speed and wind direction and light level sensors
- Fungal disease risks
- Spraying suitability
- Irrigation recommendation
- Frost, disease risk, irrigation need, extreme temperature and tilting alarms
- Plug and play system
- GPS location tracking system
- Working in ambient conditions ranging between -20 °C and +85 °C
- Available device models: Filiz & Filiz Pro



The device is easily activated by pressing the button and data can be tracked via the mobile application.

Track Data Fast and Easily on Farm Management System and IoTrack Mobile App

- Hourly air temperature and relative humidity at 30 and 85 cm above the soil surface
- Hourly soil temperature and soil moisture at 30 cm below the soil surface.
- Fungal disease risk status
- Precipitation, wind speed & direction and light intensity (Filiz Pro)
- Plot data, analyze in details and export in .xls format
- Irrigation need
- Suitable spraying hours
- Growing degree-day and chilling hours
- Live rain and storm tracking
- Tilting and thievery alert
- Customized alerts and mobile notifications
- Network signal level and battery status
- Device location and status tracking
- Network connection type prioritization: 2G and NB-IoT options



Doktar's Disease Models

Disease models make use of data measured by the sensor station in order to calculate the risk of fungal disease infection periods and help farmers save money by avoiding disease epidemics and optimize spraying decisions.

High accuracy disease models are available for over 70 plants and 120 diseases.

User Friendly, Compact, Portable Design

- The Agricultural Sensor Station is ready-to-use and does not require assembly or intermittent power supply.
- Contains an integrated battery pack and the battery power lasts up to 3 years.
- Battery life and number of data transmission during one life cycle may vary depending on field conditions.
- High accuracy even in worst weather conditions with operation range between -20°C and $+85^{\circ}\text{C}$
- The number of devices to be used may vary depending on the land elevation, slope gradient, soil structure and the number of irrigation parcels.
- With its user-friendly design, the sensor station can be used in different crops and fields in different seasons by simply relocating it.



Available Versions

	Filiz 750 €/device	FilizPro 1150 €/device
Installation	None	None
Calibration & Setup	None	None
Air Temperature & Relative Humidity	✓	✓
Soil Surface Temperature & Relative Humidity	✓	✓
Soil Temperature & Moisture	✓	✓
Wind Speed & Direction	X	✓
Light Intensity	X	✓
Precipitation	X	✓
Disease Models	✓	✓
Spraying Suitability Algorithms	✓	✓
Live Rain & Stom Tracking Map	✓	✓
Irrigation Recommendation	✓	✓
Notifications & Alerts	✓	✓
Power	Lityum Metal Battery Pack	Lityum Metal Battery Pack
Network Connection	2G & NB-IoT	2G & NB-IoT
Data Access on	Web + Mobile App	Web + Mobile App