



Filiz

AGRICULTURAL SENSOR STATION



Filiz Agricultural Sensor Station determines irrigation needs, disease and frost risks by measuring soil and weather conditions. It assesses soil moisture and recommends optimal irrigation and spraying times. Its technology allows you to reduce costs, increase productivity, and make the most accurate irrigation and spraying decisions regarding agricultural activities without visiting the field. The installation process is easy, and it delivers long-lasting performance. Additionally, Filiz offers secure operation with its anti-theft protection.



Enhanced Device Experience

01

- Ready to use after easy installation with its wireless and antenna-free design.
- An integrated battery offers a minimum battery life of 3 years.
- Its advanced signal reception technology sends data even from places without cellular reception.

Soil and Air Measurements

02

- Provides both air and soil measurements within a single device.
- Measures soil humidity and temperature at 3 different soil depths.
- Assesses microclimatic elements: air temperature, relative humidity, rainfall amount, wind speed, direction, and light intensity.

Risk Management

03

- Determines fungal disease risks up to 5 days before and suggests the most suitable spraying times.
- Sends instant and early warnings for disease and frost risks.
- Ensures safe use with its built-in anti-theft protection system.

Irrigation Planning and Other Advantages

04

- Offers precise data with its unique design and measurement capacity at different levels.
- Provides irrigation recommendations based on soil moisture measured at 3 depths under soil and rainfall forecasts.
- Reduces costs and increases productivity with accurate irrigation and spraying decisions.



	MINI	STANDARD	PRO
Field Installation	Easy Installation	Easy Installation	Easy Installation
Setup & Connection	Not Required	Not Required	Not Required
Calibration	Pre-Calibrated	Pre-Calibrated	Pre-Calibrated
Air Temperature	–	+	+
Soil Surface Temperature	+	+	+
Relative Humidity	One Level	Two Level	Two Level
Soil Temperature & Moisture	+	+	+
Wind Speed & Direction	–	–	+
Light Intensity	–	–	+
Precipitation	–	–	+
Evapotranspiration	+	+	+
Dew Point	+	+	+
Leaf Wetness Duration	+	+	+
Chilling Hours	+	+	+
Fungal Disease Risk Warnings	+	+	+
Suitable Spraying Times	+	+	+
Live Rain & Storm Tracking	+	+	+
Irrigation Reccomendations	+	+	+
Notifications & Alerts	+	+	+
GPS Location	+	+	+
Topple Warning	+	+	+
Network Connection	2G & NB IoT/ LoRa	2G & NB IoT/ LoRa	2G & NB IoT/ LoRa
Power	Lityum Metal Batarya & 3 Yıl PİL Ömrü	Lithium Metal Battery & 3 Years Lifetime	Lithium Metal Battery & 3 Years Lifetime
Accessible On	Web + Mobile App	Web + Mobile App	Web + Mobile App

