www.cesens.com

EN LWS

Leaf Wetness Sensor

Detects conditions that promote crop diseases

The **EN-LWS leaf wetness sensor from Cesens** detects the presence of moisture on the leaf surface—an essential variable for assessing the risk of fungal disease development in crops.

The **duration and frequency of leaf wetness** are closely linked to the appearance of pathogens, making monitoring essential to anticipate potential risks and improve crop protection strategies.

Integrated into **Cesens monitoring systems**, the EN-LWS provides **continuous and precise field data**, enabling environmental condition tracking and use in **disease prediction models**.

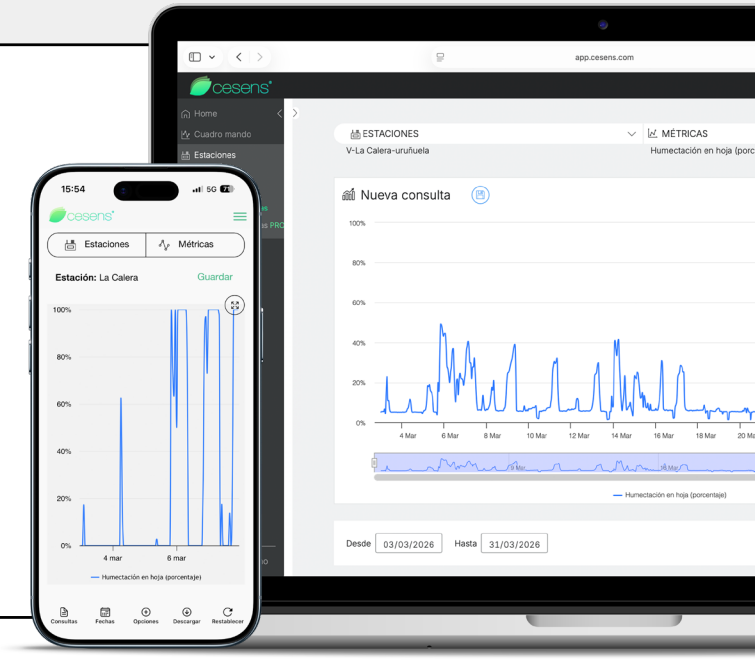
Key Advantages

- **High-resistance adjustable mounting**
  Ensures secure fixing and accurate orientation for optimal performance.
- **Triple anti-corrosion protection**
  Three coating layers shield it against the most demanding external agents.
- **Integrated bird deterrent spikes**
  Prevent birds from landing on the sensor, protecting measurement accuracy.
- **Dual-track resistive technology**
  Interlocked tracks detect water droplets for precise leaf wetness measurement.

Applications

The EN-LWS sensor is a key tool for multiple applications:

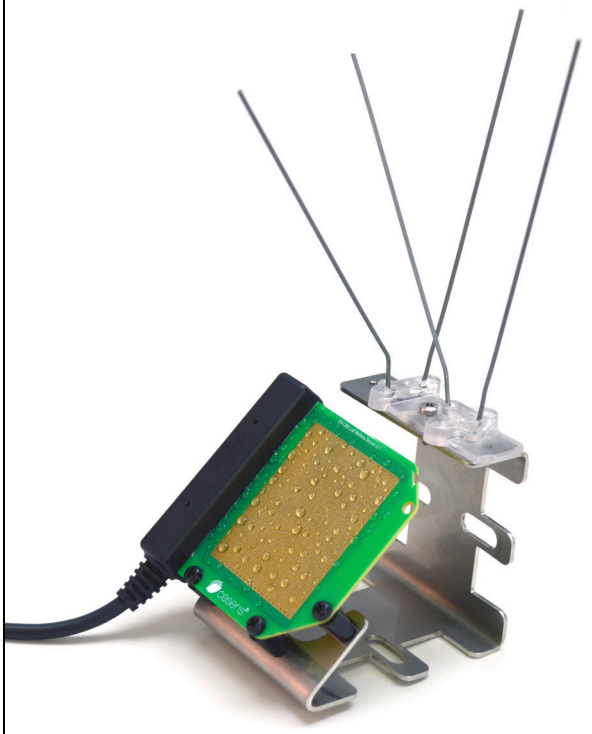
- Disease prediction models
- Monitoring infection risk conditions
- Optimization of phytosanitary treatments
- Environmental monitoring in crops

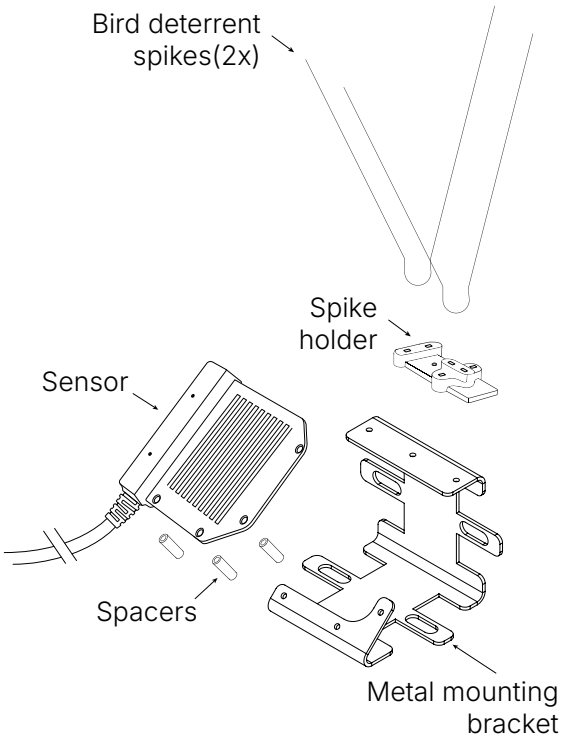


Detect the conditions that trigger crop diseases.
www.cesens.com | info@cesens.com | 611 737 011

Integration with the Cesens Ecosystem

Connected to a **Cesens datalogger**, the EN-LWS sensor analyzes the **duration of leaf wetness periods** and their relationship with other environmental variables, providing key insights to **anticipate risks and improve crop health management**.





Technical Specifications	
Dimensions	80 × 70 × 70 mm (without cable or spikes)
Operating temperature	-40 a 60 ºC
Metric	Leaf wetness
Range	0 - 100%
Resolution	1%
Accuracy	±5%