

LEAF WETNESS SENSOR

CATALOG # 3666



Spectrum
Technologies, Inc.

THANK YOU

Thank you for purchasing a Leaf Wetness Sensor to use with your WatchDog Data Logger. This manual will aid you in placement and mounting of the Leaf Wetness Sensor. Read it thoroughly to insure proper and effective use of the sensor.

The Leaf Wetness Sensor includes a cable which connects to an external port on a Model 200 or higher data logger.

Once the sensor is positioned in a representative "micro-climate," connect the data cable plug into the WatchDog external channel to log leaf wetness data.

Gold Plated Sensor Grid: The sensor reads wetness by measuring the resistance on the grid. Accurate measurements require this surface be kept clean of all conductive matter (leaves, grass, dirt, and salts). Periodically wipe the sensor with distilled water to remove dust, pesticide residue, irrigation water salts, etc.

Use SpecWare Software to program the WatchDog to log leaf wetness. Refer to the SpecWare Users Guide for detailed launch and/or readout instructions. Leaf Wetness Hours can be calculated through "reports" in the SpecWare Software.

POSITIONING THE SENSOR

Locate the sensor in a typical “micro-climate” away from the edge of an orchard , vineyard, or field.

Attach the sensor on a 1” to 1 1/4” mast (pipe) using the u-bolt with the sensor pointing to the north.

Place in an area of the plant canopy with is appropriate for the disease being noticed. For example to simulate the impact of rain only, the leaf wetness sensor would be positioned under the canopy. For full impact of both rain and dew the sensor would be positioned closer to the top of the plant canopy. Contact your co-operative extension office for further suggestions.

Inspect the sensor frequently to make certain the sensor has not fallen from their mounts or that leaves or debris are not stuck to the sensor surface.

Place leaf wetness sensor in a position that will mimic plant conditions while being within reach of external WatchDog data port.

WatchDog Data Logger inside mini-radiation shield.



WARRANTY

The Leaf Wetness Sensor is warranted to be free from defects in materials and workmanship for a period of 1 year from the date of original purchase. During the warranty period, Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty is void if the product has been damaged by customer error or negligence, or if there has been an unauthorized modification.

Returning Products to Spectrum

Before returning a failed unit, you must obtain a Returned Goods Authorization (RGA) number from Spectrum. You must ship the product(s), properly packaged against further damage, back to Spectrum (at your expense) with the RGA number marked clearly on the outside of the package. Spectrum is not responsible for any package that is returned without a valid RGA number or for the loss of the package by any shipping company.

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