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CF Sensor

As a seed producer one of your major concerns is selecting the optimum harvesting moment, another is determining how well that seed will store. Seed chlorophyll content is directly related to the maturity of the seed which is proportional to potential seed vigour. A high seed chlorophyll content indicates unripe seed which can mean that seed cannot be stored for long periods. During the maturation process the chlorophyll present in the seeds breaks down. By monitoring results from the CF sensor in the field the results can be used as an indicator to select the best harvest moment thereby aiding with the decision-making process to give maximum storage times.

An easy to use system, which is small, portable, and easily transported making it suitable for in-field use, as well as at the laboratory or storage facilities.

“Obtaining quality seed is vital for seed producers. This technology can aid in determining optimum harvest time and storage strategies for the seed. Thereby they can assure highest quality to the growers.”

Technical

The CF sensor measures chlorophyll fluorescence with pulsed blue LED light. The excitation and emission travel along the same optical fiber making it possible to obtain high sensitivity as a lab, or field tool.

Specifications

Measuring range: 4 decades

Temp range: 0-50°C

Detection limit: 5 ppb

Response time: <2 seconds

Calibration: 1 point spectrophotometric

Connectivity: USB, M5 4pole male, USB serial interface port

Dimensions: L103*W58*H22 (mm)

Weight: 130g

Housing: Aluminium with ABS covers, IP54

Supplied

- Case
- Calibration disc
- USB cable
- CF sensor

