

RapidSCAN CS-45

The **Rapidscan CS-45** is a first of its kind plant scanner designed for ease-of-use, flexibility and accuracy. Quickly assess and monitor plant and crop vigor – **just point and scan** – it's just that easy! Unlike other low-cost "novelty" NDVI sensors, the RapidSCAN simultaneously collects high precision NDVI and NDRE vegetation index data and can be configured to log GPS and statistical data as well. Data collected by the sensor is saved to the RapidSCAN's memory for later retrieval and analysis.



Features

Internal differential GPS for geolocating canopy measurements

Polychromatic light source for sunlight independent measurements – scan day or night

Three spectral bands (670 nm, 730 nm and 780 nm) for acquiring NDRE and NDVI measurements simultaneously

Internal lithium ion battery for up to 40 hrs of operation between charges

Ergonomic design for low fatigue ease-of-use

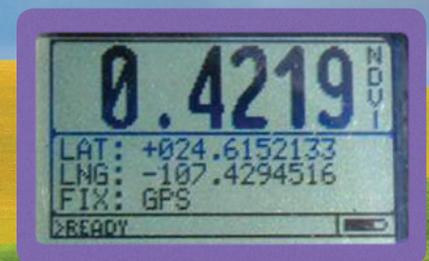
Micro USB connector for retrieving data and charging sensor

Integrated data logger for logging canopy reflectance, measurement statistics, GPS location and vegetation indexes



Uses

- Hail damage estimation
- Nutrient and fertilizer studies
- Herbicide effect/performance studies
- Plant biomass quantification
- Trend/detect plant vigor changes
- Early disease detection
- Leaf senescence studies
- Turf and agricultural landscape mapping
- Hybrid selection



High precision NDVI measurement example displayed on the RapidSCAN's 128 pixel by 64 pixel backlit display.



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