

# GREENSEEKER HANDHELD CROP SENSOR

The GreenSeeker handheld crop sensor is an affordable, easy-to-use measurement device that can be used to assess the health—or vigor—of a crop. Readings taken by the GreenSeeker handheld can be used to make non-subjective decisions regarding the amount of fertiliser to be applied to a crop, resulting in a more efficient use of fertiliser—a benefit to both a farmer's bottom line and the environment.



## HOW THE GREENSEEKER HANDHELD CROP SENSOR WORKS

- Upon pulling the trigger, the sensor turns on, emits brief bursts of red and infrared light, and then measures the amount of each type of light that is reflected back at the sensor.
- The sensor continues to sample the scanned area as long as the trigger remains engaged.
- The strength of the detected light is a direct indicator of the plant's vigor.
- The sensor displays the measured value in terms of an NDVI reading on its LCD display screen. NDVI readings can range from 0.00 to 0.99; the higher the reading, the healthier the plant.



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## DISPLAY SCREEN

Easy-to-read display—even in sunlight—provides NDVI values for the plants in view of the sensor



## TRIGGER

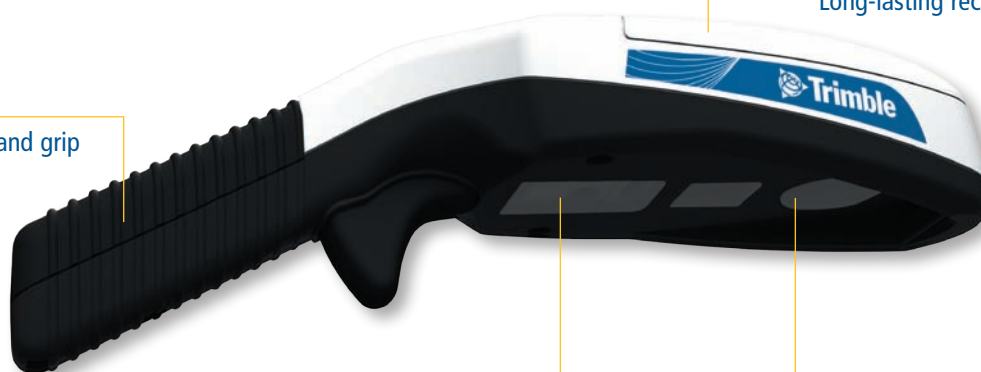
Simple pull-type trigger designed for minimal operator fatigue

## BATTERY

Long-lasting rechargeable battery

## HANDLE

Comfortable hand grip

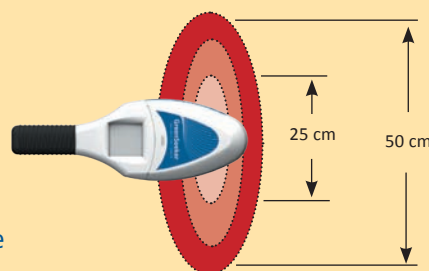


## SENSOR

High-quality optical sensor instantly measures plant vigor

## MICRO USB CHARGING PORT

Provides a direct connection to recharge the handheld without the need to remove and replace the battery



The sensor's field of view is an oval; the field of view widens as the height of the sensor above the ground increases.

To ensure the accuracy of your readings, hold the sensor 60 – 120 cm above the crop when the trigger is pulled.

[www.trimble.com/agriculture](http://www.trimble.com/agriculture)

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