

GREENSEEKER HANDHELD

A PORTABLE CROP VIGOR MEASUREMENT TOOL FOR RESEARCHERS,
PLANT BREEDERS AND CROP CONSULTANTS

The GreenSeeker Handheld™ is a crop research and consulting tool that provides useful data to determine Normalized Difference Vegetative Index (NDVI) and red to near infrared ratios. These indexes can be used to indicate basic nutrient response, crop condition, yield potential, stress, biomass, leaf area, herbicide efficacy and pest impact. The unit can be used to monitor changing field (crop, plant) conditions during the growing season and/or the effects of different levels of an input compared to a local standard. Modulated LED light sources allow use day or night. The unit's optical sensor captures the light reflectance of plants. The microprocessor circuit board analyzes the plant's reflected light. The data that is collected with the sensor can be downloaded to a personal computer in a text format that can be accessed by Microsoft® Excel.

GreenSeeker
Variable Rate Application and Mapping Systems



POTENTIAL USERS

- University, government and private researchers
- Crop advisors and consultants
- Fertilizer dealers
- Farmers/growers
- Large scale nurseries
- Plant breeders and biologists

REQUIREMENTS

- PDA requires DB9 RS232 port
- If geo-referencing of data is desired, you must order RT Mapper software, or other software that will log GreenSeeker and GPS data
- GPS receiver must be integral to PDA, supplied, or ordered separately
- GIS software required to create maps
- Battery charger may require plug adapter when used in non-USA location



FEATURES

- Sold with or without PDA to log data
- Operates day or night
- Data capture "trigger" with audible signal
- Padded, adjustable shoulder strap
- Adjustable PDA/datalogger mount
- Rechargeable 12VDC battery for sensor
- Telescoping pole with adjustable sensor mount
- Airline Transportation Association rated polyethylene padded case with wheels and carrying handles
- 120 – 230 VAC battery charger

SPECIFICATIONS

- Weight of portable unit approximately 13 pounds (6 kgs)
- Weight of complete unit with case and accessories approximately 33 pounds (15 kgs)
- Case dimensions 14" x 14" x 51" (355 x 355 x 1295 mm)



Trimble Agriculture. The line everyone follows.

GREENSEEKER RT100 SYSTEM

A REVOLUTIONARY TOOL TO HELP MANAGE AND MONITOR CROP STATUS AND IMPROVE CROP QUALITY

Take plant health and vigor measurements on your schedule! No longer do you have to depend upon cloud-free days for satellite images, or pay the high cost of aerial images. You can also collect data during existing farming operations such as spraying, cultivation, mowing, etc.

With GIS software, data can be used to create management zones, sampling zones, identify pest and disease problems, evaluation of drainage systems efficacy, monitoring and modifying irrigation schedules, determine optimum harvesting dates, or create variable rate prescription maps.

GreenSeeker[®]
Variable Rate Application and Mapping Systems



POTENTIAL USERS

- University, government and private researchers
- Crop advisors and consultants
- Golf courses/turf managers
- Farmers/growers
- Nurseries
- Plant breeders and biologists
- Vineyard and orchard managers

REQUIREMENTS

- PDA requires DB9 RS232 port
- If geo-referencing of data is desired, you must order PDA software that will log GreenSeeker[®] and GPS data
- GPS receiver must be integral to PDA, supplied, or ordered separately
- GIS software required to create maps
- Fabrication or purchase of sensor to vehicle bracket



FEATURES

- Can be ordered with or without PDA
- GreenSeeker sensor with integrated stainless steel bracket
- Sensor cable 6.6 ft. or 22 ft. (2.0 m or 6.7 m)
- Thermoplastic connection enclosure
- "Data Log" toggle switch with mounting bracket and serial cable
- Adjustable PDA RAM mount for round tube or flat surface mounting
- Battery cable, 12 ft. (4 m)

SPECIFICATIONS

- Sensor – 2.5 lbs, 5" x 12" (1.3 kgs, 125 x 300 mm)
- Connector Box – approx 3 lbs, 8" x 5" x 4" (1.4 kgs, 200 x 125 x 100 mm)
- PDA Mount – RAM adjustable
- 12VDC, 0.75 amps

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