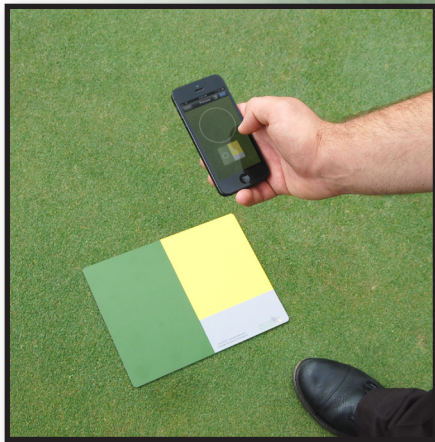


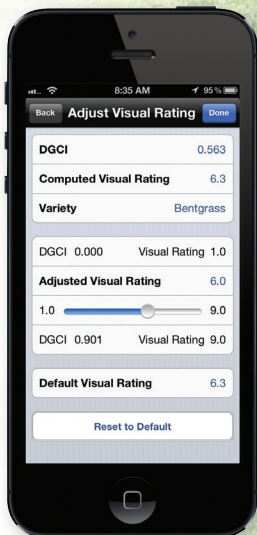
The Power of Your SmartPhone...for Turf Health



Unique Color Reference Board Eliminates Subjective Measurements



Built-In Datalogging and Geo-Referencing Capabilities



Adjust Visual Ratings Based on Turf Variety

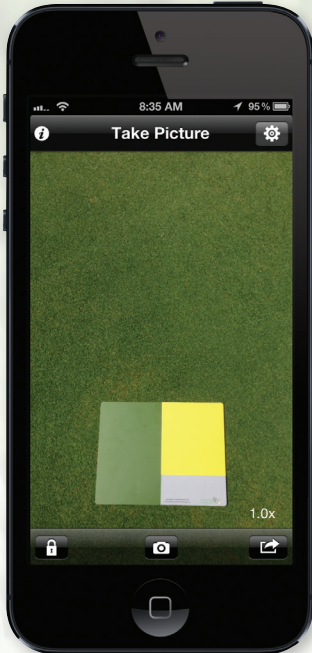


Spectrum
Technologies, Inc.
"To Measure Is To Know"

The Power of Your SmartPhone...for Turf Health

FIELDSCOUT GreenIndex+ Turf

- Quantify turf color and quality
- Identify turf stress before it's too late
- Help manage fertilization and irrigation practices



The FieldScout GreenIndex+ Turf app utilizes the latest advancements in technology to measure plant health via the chlorophyll content (relative greenness) of turf using a smartphone camera. The app captures turfgrass images with a smartphone, calculates the Dark Green Color Index (DGCI), and displays a visual rating. Users can customize the visual rating calculation for different species of grass and specific plots of land. Measurements can be compared to identify variability or trends in turf health across golf course greens and fairways, as well as other sports fields, providing valuable data for decisions regarding fertilization and irrigation. Additional applications include lawn care and commercial turf for better nutrient management. The data is logged and geo-referenced, and can be emailed to a personal computer for further analysis.

Because the eyes are very subjective, they are unable to detect minor changes in turf greenness that might be early warning signs that the turf is under stress. Stress can occur due to a variety of reasons, including nitrogen deficiency, lack of water, compaction, or the onset of diseases. The precision of a smartphone camera helps detect minor changes in turf greenness over time and/or relative to other areas of the golf course or sports field. This allows golf course superintendents and turf management specialists to make critical decisions in real time without high up-front costs.

The app uses specific green and yellow color standards on a target reference board to calculate the DGCI and corresponding visual rating. For added convenience, the visual rating displayed by GreenIndex+ Turf can be customized to match your rating protocol. Rating scales can be saved by turf variety for re-use.

Patent pending. iOS Device not included.

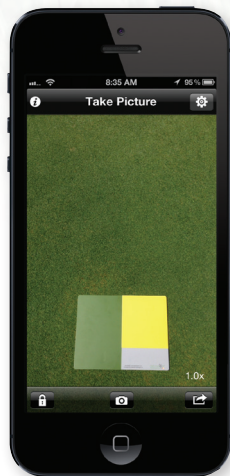


[FieldScout GreenIndex+ Turf App](#)

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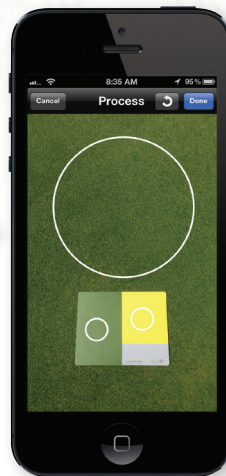
[FieldScout GreenIndex+ Turf Board](#)

Order from Spectrum, online or phone



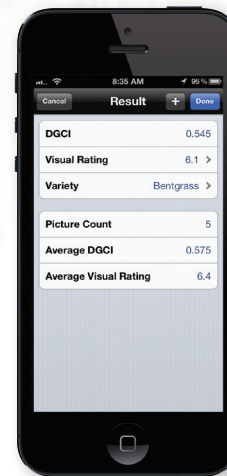
CLICK

Lay the color reference board on the ground and take a picture of the turf accompanied by the green and yellow areas on the board.



TAP

On the screen, tap the green and yellow standards and the turf to identify the areas to be analyzed. Move and resize the turf circle to get the exact area that you want.



READ & REPEAT

Read the results: DGCI and Visual Rating. The rating scale can be customized and saved by turf variety.

SPECIFICATIONS FOR GREENINDEX+ TURF

Compatible Devices: Apple iPhone 3GS and newer

Apple iPad, 2nd generation and newer

Apple iPod Touch, 4th generation and newer

Operating System Required: iOS 4.3.5 and above

GPS: Devices with built-in GPS will embed location metadata

Board: 9 x 11.5 in (23 x 29 cm) aluminum

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