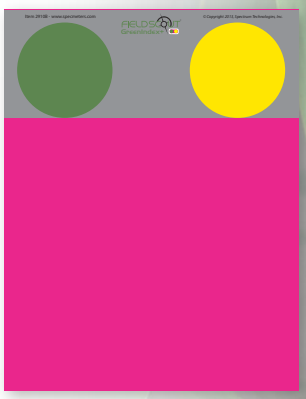
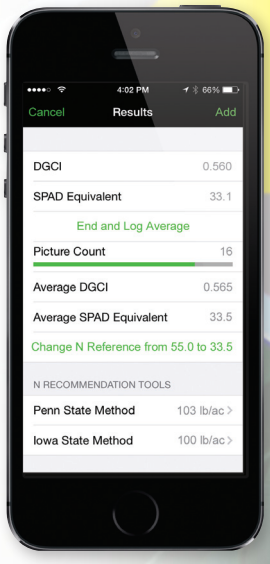
The Power of Your SmartPhone...for Plant Health

FIELDSCOUT GreenIndex+



Unique Color Reference Board Eliminates Subjective Measurements

Affordable Method for Obtaining Plant Health Data



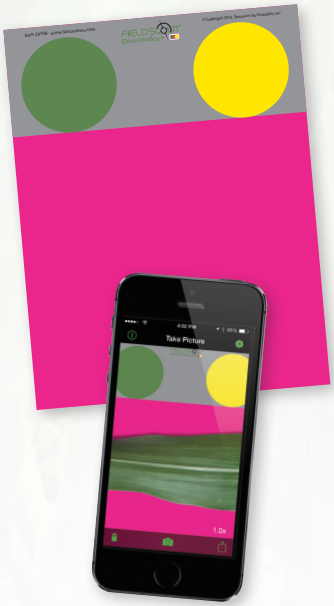
Instant Results - DGCI, SPAD Value, and Nitrogen Recommendations

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

The Power of Your SmartPhone...for Plant Health

FIELDSCOUT GreenIndex+

- Determine recommended nitrogen rates at V6 - V10 stage for corn
- Schedule nitrogen application with irrigated corn using reference strips
- Compare crop health using DGCI for any crop under different fertility, fungicide, or foliar treatments



Now there is a better, more affordable way to manage the nitrogen needs of crop. The patented FieldScout GreenIndex+ app utilizes the power of a smartphone or other smart device to capture differences in relative greenness between corn leaves, allowing users to make valuable decisions regarding fertilization in the V6 growth stage and beyond. As the chlorophyll pigment is what gives a plant its green color, measurements of the greenness of plant leaves can be used to help determine the overall health of the plant.

The app captures images and instantly computes the Dark Green Color Index (DGCI) of plant leaves. As DGCI has been correlated to SPAD readings in corn at the V6 growth stage, the measurements are converted to relative SPAD values for ease of use by growers familiar with SPAD tools. Nitrogen uptake increases dramatically at the beginning of the V6 development stage. Corrective measures, based on early diagnosis of severe nitrogen deficiencies, can prevent yield reduction.

By utilizing the averaging feature, growers can easily obtain greenness levels across field samples and compare them with samples obtained from a high-nitrogen test strip. The app also incorporates widely-established nitrogen recommendation models developed by Iowa State and Penn State universities to generate fertilizer recommendations.

All data is logged and geo-referenced, and can be emailed to a personal computer for further analysis. Log files can be opened directly into Microsoft Excel or other applications that can accept .CSV files.

iOS Device not included.

Available on the App Store — **FieldScout GreenIndex+ Plant Health App**

Item 2910B — **FieldScout GreenIndex+ Board**
Order from Spectrum, online or phone

CLICK

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

TAP

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

READ & REPEAT

Read the results: DGCI and SPAD equivalent. Also view recommendations for Nitrogen applications using the Penn State and Iowa State methods.

SPECIFICATIONS FOR GREENINDEX+

Compatible Devices with Rear Camera:	Apple iPhone 3GS and newer
	Apple iPad, 2nd generation and newer
	Apple iPod Touch, 4th generation and newer
Operating System Required: iOS 6.0 and above	
GPS: Devices with built-in GPS will embed location metadata	
Board: 9 x 11.5 in (23 x 29 cm) aluminum with adjustable hand strap	

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