



The GreenSeeker® crop sensing system is a variable rate application and crop vigor mapping system that offers a more efficient and precise way to manage crop inputs such as nitrogen. The system verifies in real-time the amount of nitrogen the soil has made available using complex agronomic calculations called NDVI. The GreenSeeker system then determines a fertilizer prescription for instant application so that you are applying the right amount of nutrients needed by the plant at the right time.

Key Benefits

- Addresses field variability
- Determines fertilizer rates by using the current crop condition
- Adjusts application rates automatically based on readings taken by the sensors as applicator travels through the field
- Can often be used with existing rate control systems
- Works in any weather condition—day or night
- Easy to install, easy to calibrate, easy to use

Trimble Display Compatibility

- TMX-2050™ display
- FmX® integrated display



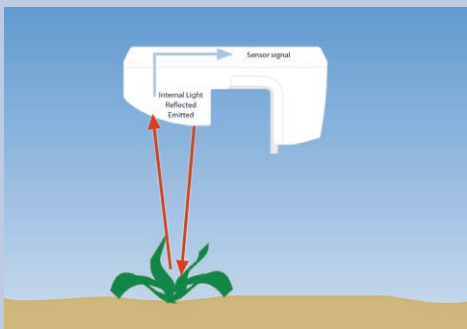
GreenSeeker System ROI

	ADDITIONAL BUSHELS FROM USING GREENSEEKER SYSTEM	* MARKET VALUE PER BUSHEL	ADDITIONAL PROFIT PER ACRE
Corn on Corn	3.5	\$3.75	\$13.13
Corn on Soybeans	18	\$3.75	\$67.50

* Market value per bushel is based on U.S. April 2015 prices

Conventional Farm Practices

Farming practices traditionally dictate a consistent amount of fertilizer be applied at a constant rate across the entire field. The rate at which fertilizer is applied is usually based on grid soil sampling or last year's yield maps. Factors such as moisture and temperature, which can cause leaching or denitrification, are often not taken into account when calculating this year's fertilizer application rate.



GreenSeeker System Advantages

A sophisticated sensor located on the underside of the GreenSeeker system 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. These measurements are used by the GreenSeeker system to make real-time decisions about the amount of fertilizer to be applied on a crop as the sprayer travels throughout the field. Soil variability, and differences in plant vigor are consistently measured by the GreenSeeker system so that the plants receive the exact amount of fertilizer they need to thrive.

Display Compatibility

The GreenSeeker system is compatible on both the Trimble® TMX-2050 display and FmX integrated display. This creates added value by using the same display to steer your vehicle, control the rate of fertilizer on-the-go, and eliminate the need for a second display which reduces cab clutter.



GreenSeeker Handheld Crop Sensor

Trimble offers a handheld version of the GreenSeeker system to instantly take a reading of your crop's health. Readings can be used to make non-subjective decisions regarding the amount of fertilizer to be applied to your crop, resulting in more efficient use of fertilizer—a benefit to your bottom line and the environment.

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