

# MANAGE YOUR NITROGEN AND MAXIMIZE YOUR PROFITS

The GreenSeeker® RT200 nitrogen application system offers a more efficient and precise way to manage crop inputs such as nitrogen. The technology allows you to apply the right amount, in the right place, at the right time in real time. Optimum placement of nitrogen eliminates costly waste and extra field passes. You'll find improved yield, lower nitrogen cost and increased profits.

**GreenSeeker®**  
Variable Rate Application and Mapping Systems

## APPLICATION

Grain farmers use GreenSeeker to make real time variable rate application of nitrogen fertilizer. NDVI-based plant health/vigor maps can also be produced during routine operations.

## CURRENT PRECISION FARMING PRACTICES

Grid soil sampling and/or yield maps are used to develop maps of varying fertilizer needs. This is often last year's data. Due to differences in factors such as moisture and temperature, the amount of nitrogen supplied via mineralization or lost from leaching or denitrification, is not typically taken into account.



## GREENSEEKER RT200 METHOD

While sidedressing or topdressing the crop, real time sensor data is used to evaluate crop status at the time of nitrogen fertilizer application. University and researcher crop specific prescriptions are used to determine the appropriate in-season nitrogen fertilizer rate to maximize the grower's profit with less waste of fertilizer. Rates are changed on-the-go during sidedress/topdress.

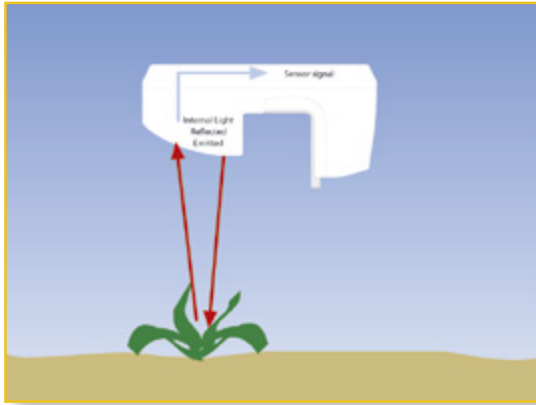
## TRADITIONAL PRACTICES

Nitrogen fertilizer is applied at a constant rate across the whole field or farm regardless of varying crop needs. This usually results in too much or too little nitrogen fertilizer in many parts of the field, often wasting inputs or limiting yield.

 **Trimble®**

Trimble Agriculture. The line everyone follows.

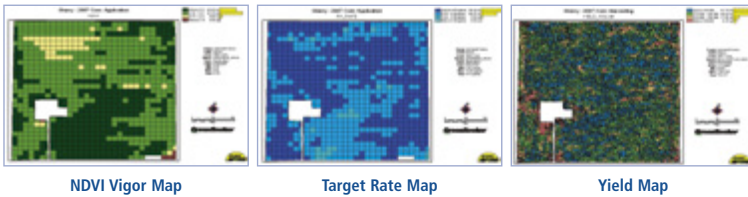
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## VALUE/BENEFITS

- ✓ Potential 2 year payback on 1,000+ acres of corn
- ✓ Considers what the environment is providing for Nitrogen
- ✓ Addresses field variability, right amount, right place
- ✓ This year's crop conditions are used to determine fertilizer rates
- ✓ Rates change on-the-go automatically
- ✓ Fertilizer target rates updated every second to applicator
- ✓ Sensors take approximately 1,000 vigor readings per second
- ✓ Typically utilizes existing rate controller hardware
- ✓ Works in any weather condition, day or night
- ✓ "Map" crop vigor during herbicide/fungicide applications
- ✓ One time investment, no annual contracts, no per image charges
- ✓ Easy to install. Easy to use. Easy to calibrate

## THE RIGHT AMOUNT. IN THE RIGHT PLACE. AT THE RIGHT TIME



## 900-1-343 – BASIC SYSTEM – RT200 6-SENSOR (INCLUDES USER INTERFACE & SOFTWARE)

