



## Cotton

### Cotton Variable Rate Application Health & Vigor Mapping

#### Application

Cotton farms use GreenSeeker to make real time variable rate application decisions for plant growth regulator and defoliant. NDVI plant health/vigor data can also be collected during existing operations.

#### Traditional Practices

Flat rates of plant growth regulator and defoliant are applied regardless of varying crop conditions. This usually results in either too much or too little material being applied in many parts of the field.



#### Current Precision Farming Practices

Aerial and satellite imagery is used to develop prescription maps, subsequently used for making variable rate applications. Many times these images are taken several days or weeks before actual use due to cloud and weather conditions.

#### GreenSeeker RT200 Method

Sensor data is used to make decisions based on the condition of the cotton at the time of material application. This real time data assures rates are based upon current field conditions.



#### Value and Benefits

- ▽ More effective and economical use of PGR and Defoliant
- ▽ Grower/consultant chooses the rates
- ▽ Works in any weather conditions, day and night
- ▽ No application delay due to cloud cover hindering aerial photos/images
- ▽ Does not require third part coordination for crop mapping/imaging

- ▽ NDVI Health/Vigor data are real number, not just relative to each image
- ▽ One time investment in system, no annual contracts, no per image charges
- ▽ System can be used to variable rate apply nitrogen to corn and other crops

