

NTech Industries, Inc.

Recent Product Developments and Applications of NTech's GreenSeeker® Technology



New Systems Capabilities

RT200 Application System

- **Additional Algorithms**
- **100 point Custom Algorithm Option**
- **Support for Additional Rate Controllers**
- **New Interface Platform: Titan Display Module**

RT220: High-Resolution System

- **Individual Data from Each Sensor (2 – 10)
for High-Resolution Mapping**

Software Improvements

NTech Capture (Handheld Systems)

- **Starts immediately in Plot Logging Mode**
- **Much Larger Numbers for Easier Field Work**

RT Commander & RT Mapper

- **Enhanced Status Modes with Condition of Each Sensor**
- **Higher Spatial Resolution via Faster Updates for RT200 Data and GPS**

Industry Acceptance & Adoption

RT200 Integration Under Development

Raven Viper™ Terminal

John Deere GreenStar System (beta)

**MID-TECH Legacy 6000
Interface**



Range of Ag Applications

GreenSeeker Systems are Being Used in a Surprising Variety of Crops:

- **Wheat**
- **Corn/Maize**
- **Canola**
- **Barley**
- **Durum**
- **Turf**
- **Grapes**
- **Coffee**
- **Cotton**
- **Potatoes**
- **Sugar Cane**
- **Peanuts**
- **Pastures**
- **Tobacco**

Reports from the Field

Index & Wavelengths

- 1. Additional Studies looking at multi-spectral and hyper-spectral bands find that various specific band combinations are optimal for a given sensing region, but...**

Across multiple fields and multiple crops and soils, Red & NIR bands indexed as NDVI continues to be reported as the most useful.



Reports from the Field

Sensitivity & Saturation

2. **Constant field of view gives a consistent reading on small plants and does not require canopy closure for meaningful data.**
3. **Be aware that *aerial-based* NDVI image maps of crops may lead to misleading conclusions regarding saturation.**



GreenSeeker Monetary Results



Wheat

**Average increase in profit to grower of
\$10-\$12 per acre**

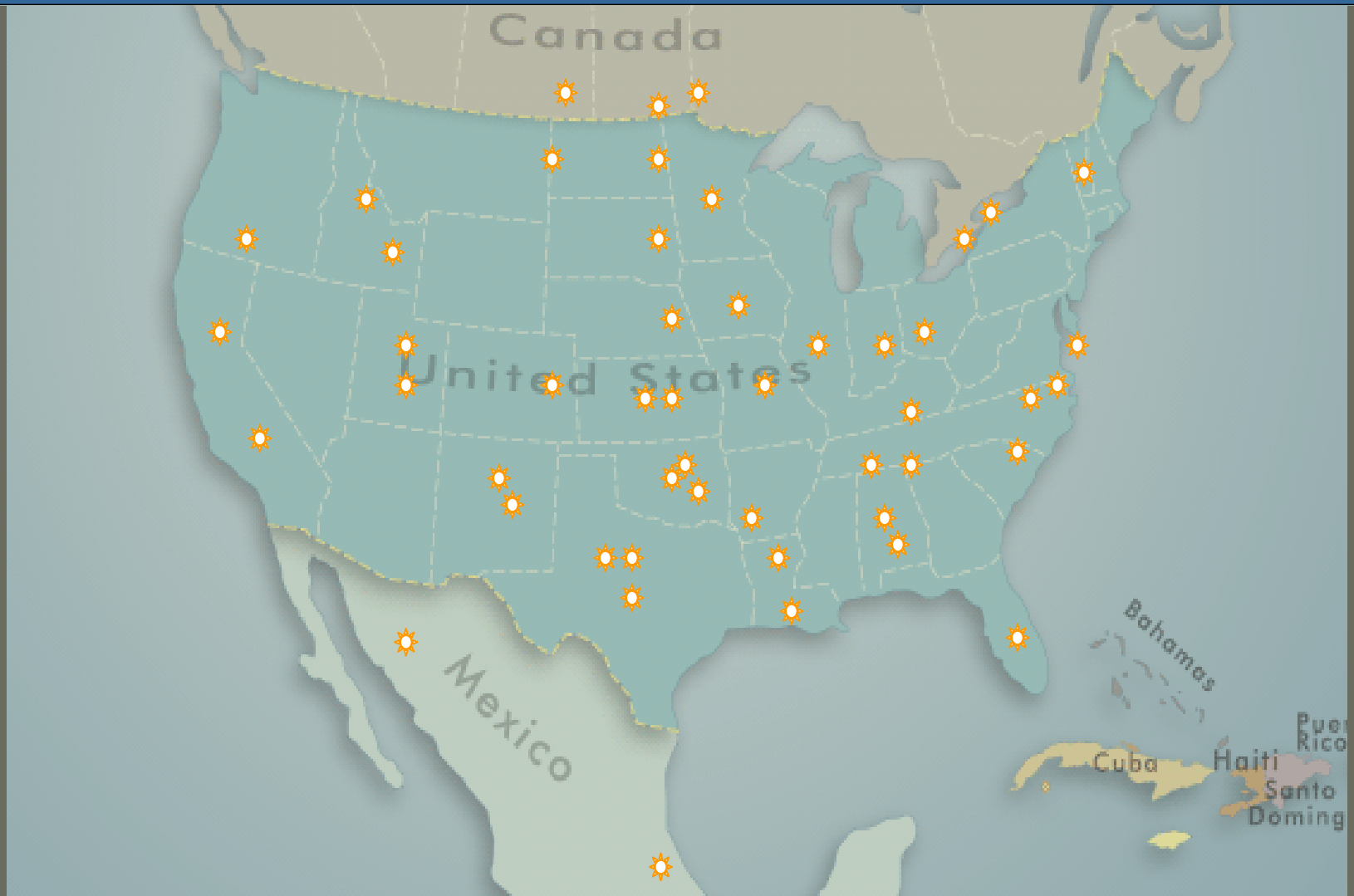


Corn

**Average increase in profit to grower of
\$18 per acre**

Profit increase is usually from less fertilizer, but some fields apply more fertilizer and achieve higher yields.

GreenSeeker[®] Research Locations in North America



GreenSeeker[®] Representative Locations Around the World

More than 60 researchers in 20 countries



GreenSeeker RT200



GreenSeeker Handheld



NTech[®]
Industries, Inc.



Thank You.