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
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
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.
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® Representative Locations
Around the World

More than 60 researchers in 20 countries

- GreenSeeker RT200
- GreenSeeker Handheld
Thank You.