

Aerial Scouting



Brent Johnson

www.fieldimagery.com

www.gpssoilsampling.com



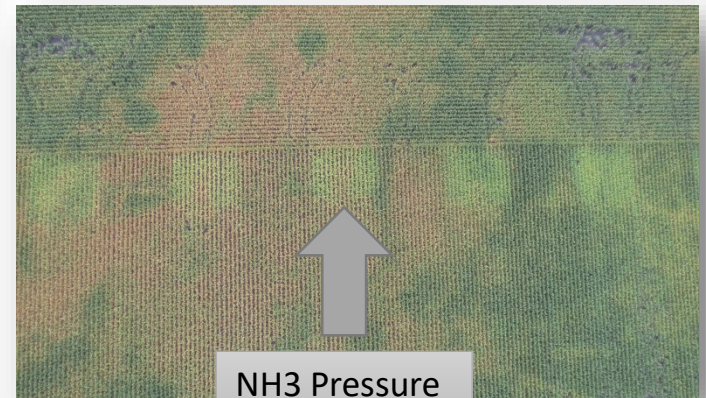
Easy Results





NH3
Plugged
Knife

Image Acquired: Sept. 29, 2013
Source: eBee Flight
Resolution: 3.5 cm/px
Crop/Stage: Corn/R5



NH3 Pressure

Image Acquired: Sept. 7, 2013
Source: eBee Flight
Resolution: 3.5 cm/px
Crop/Stage: Corn/R4

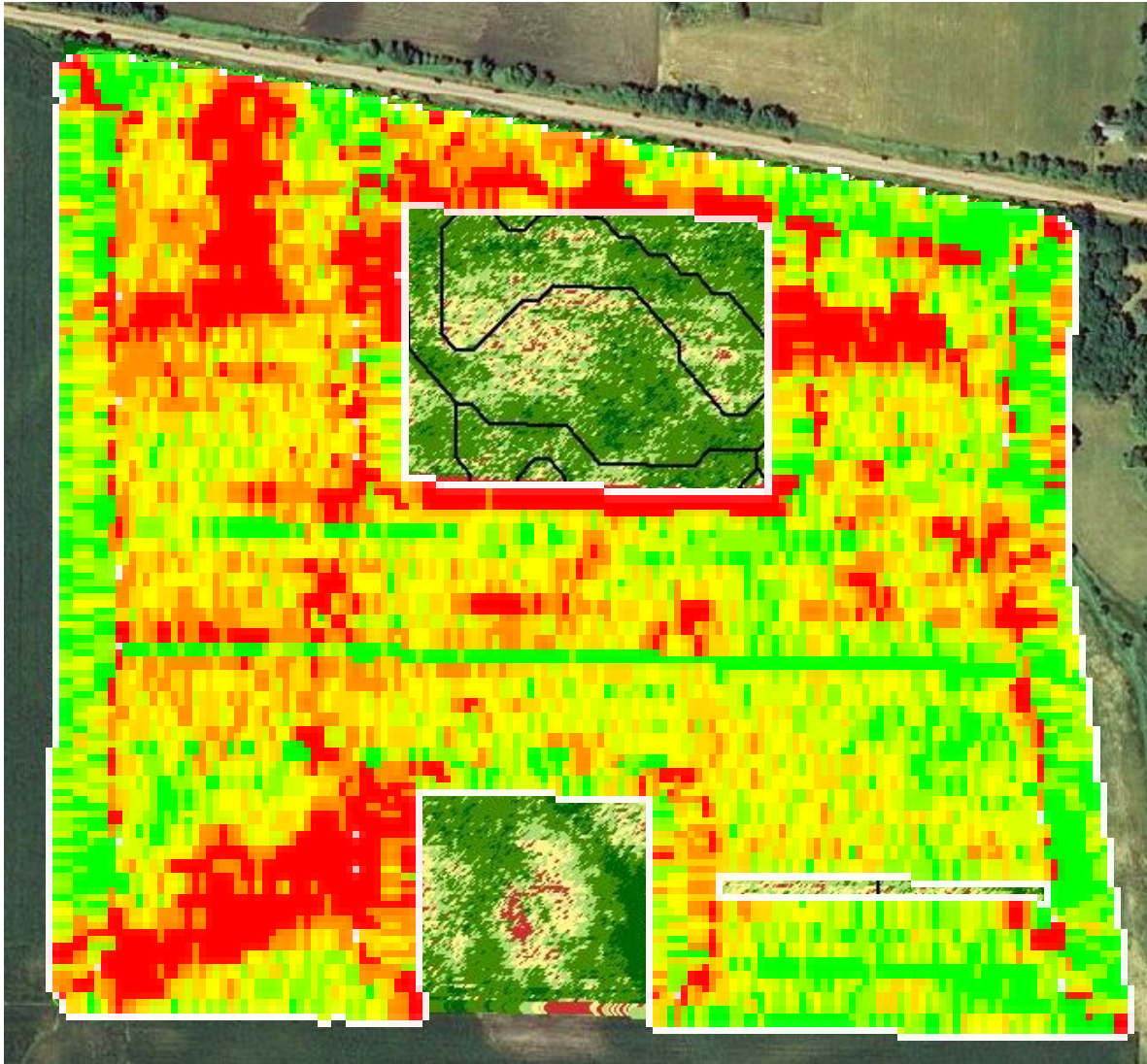
- Aerial Pictures
- Farmsteads
- Equipment



- Equipment Issues
- Crop Scouting

- How can I use this tool?
- How do I make \$?
- So what's so hard?





2015 Fungicide

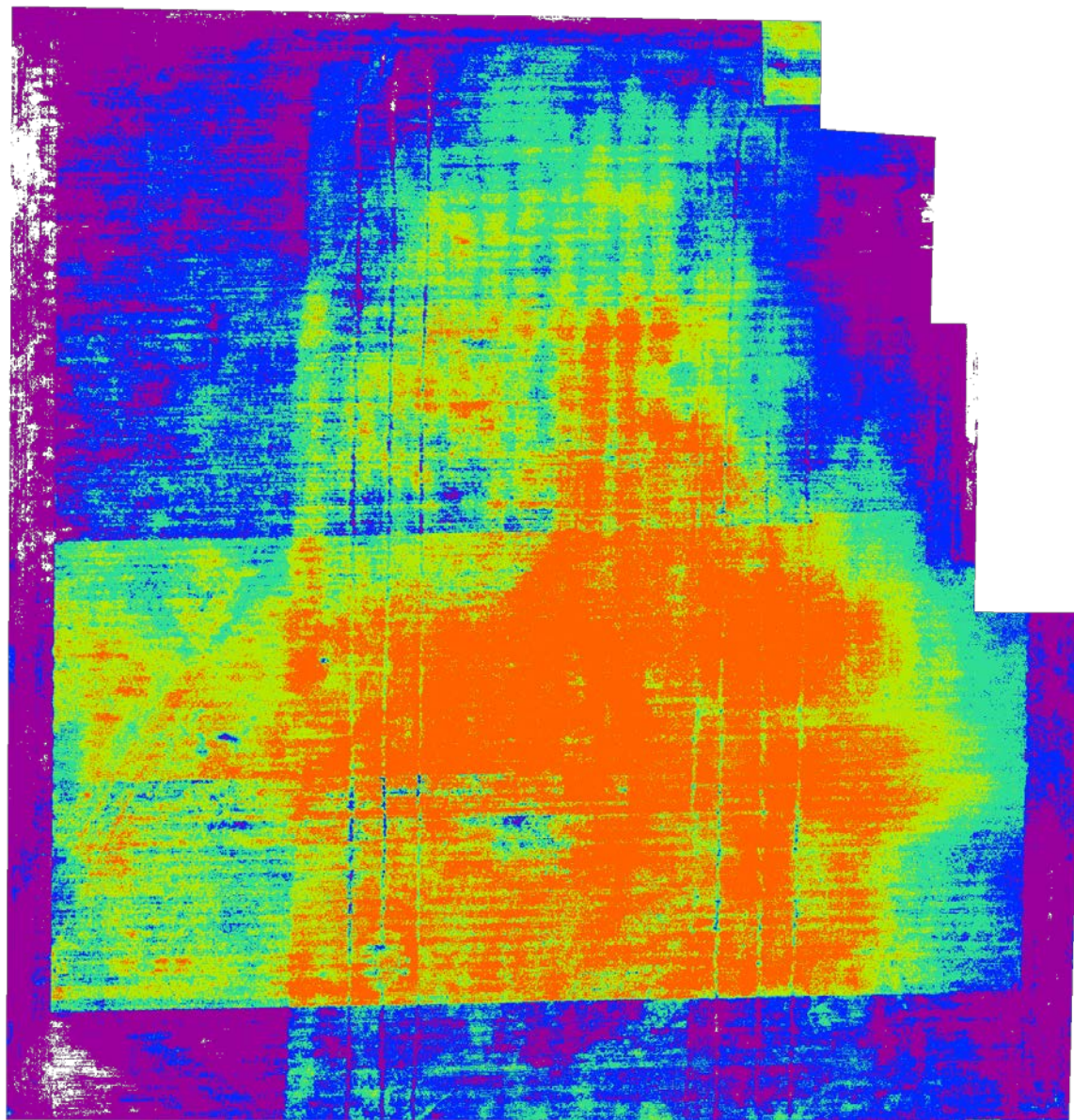
4 Hybrids

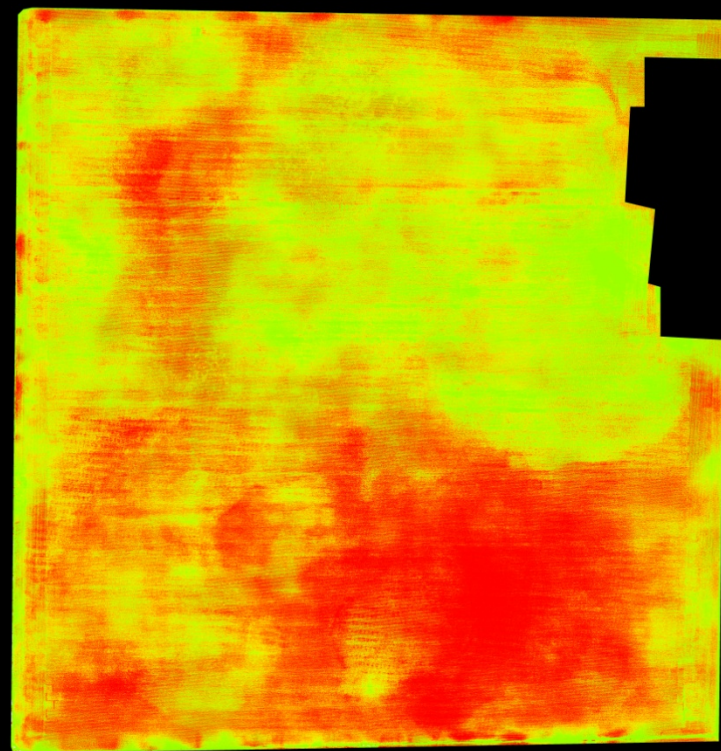
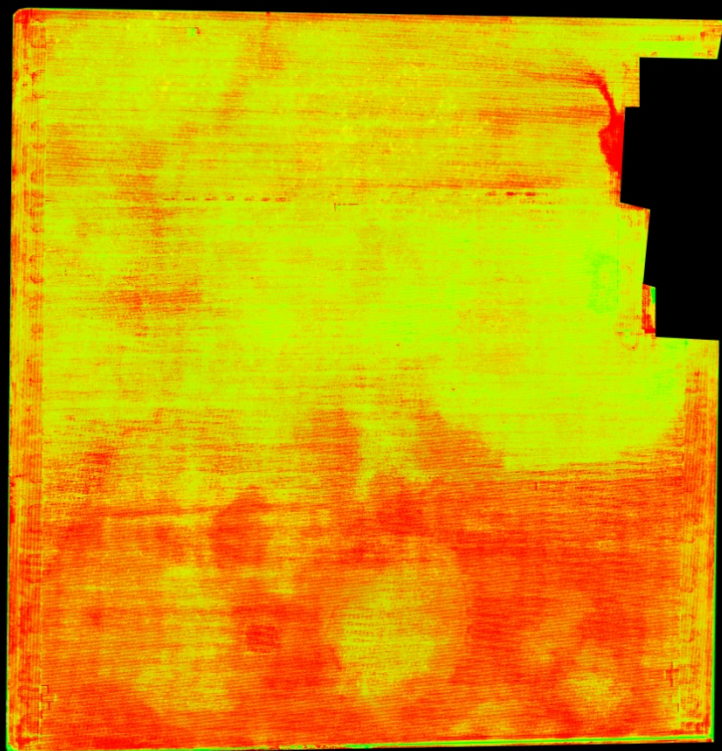
8.4 BPA 1.3%

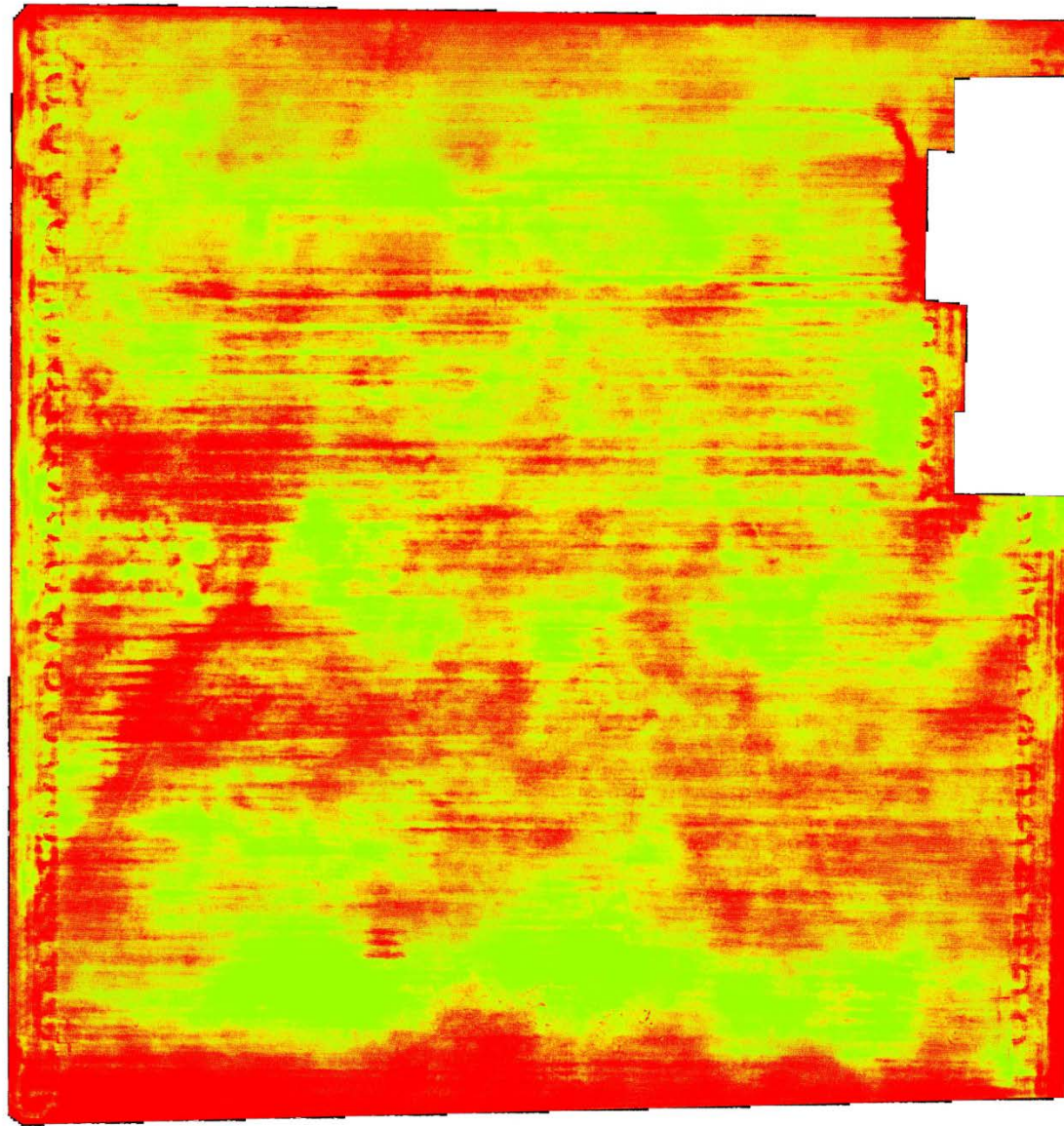
5.5 BPA 2.6%

5.5 BPA 2.7%

4.0 BPA 1.0%

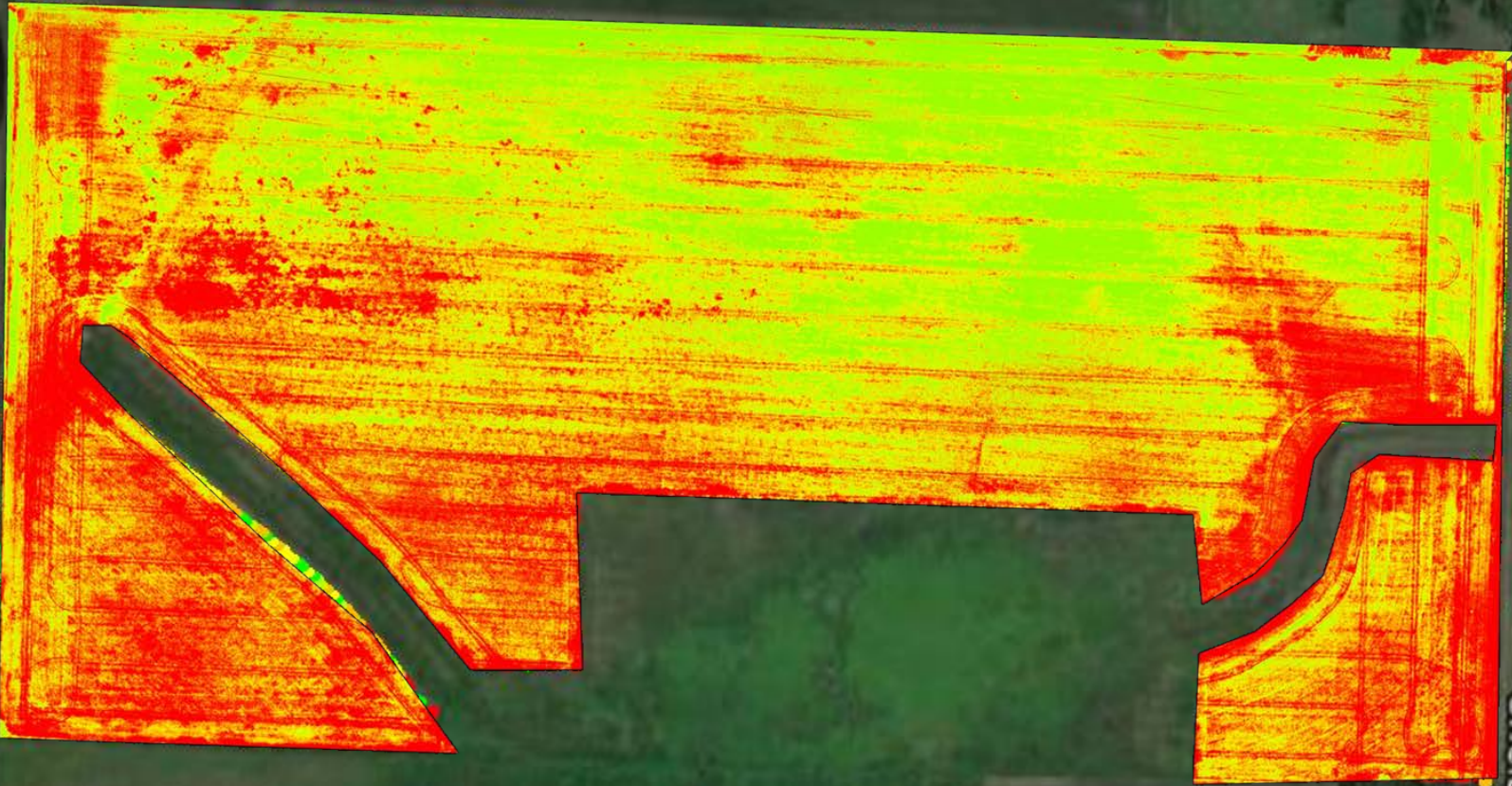


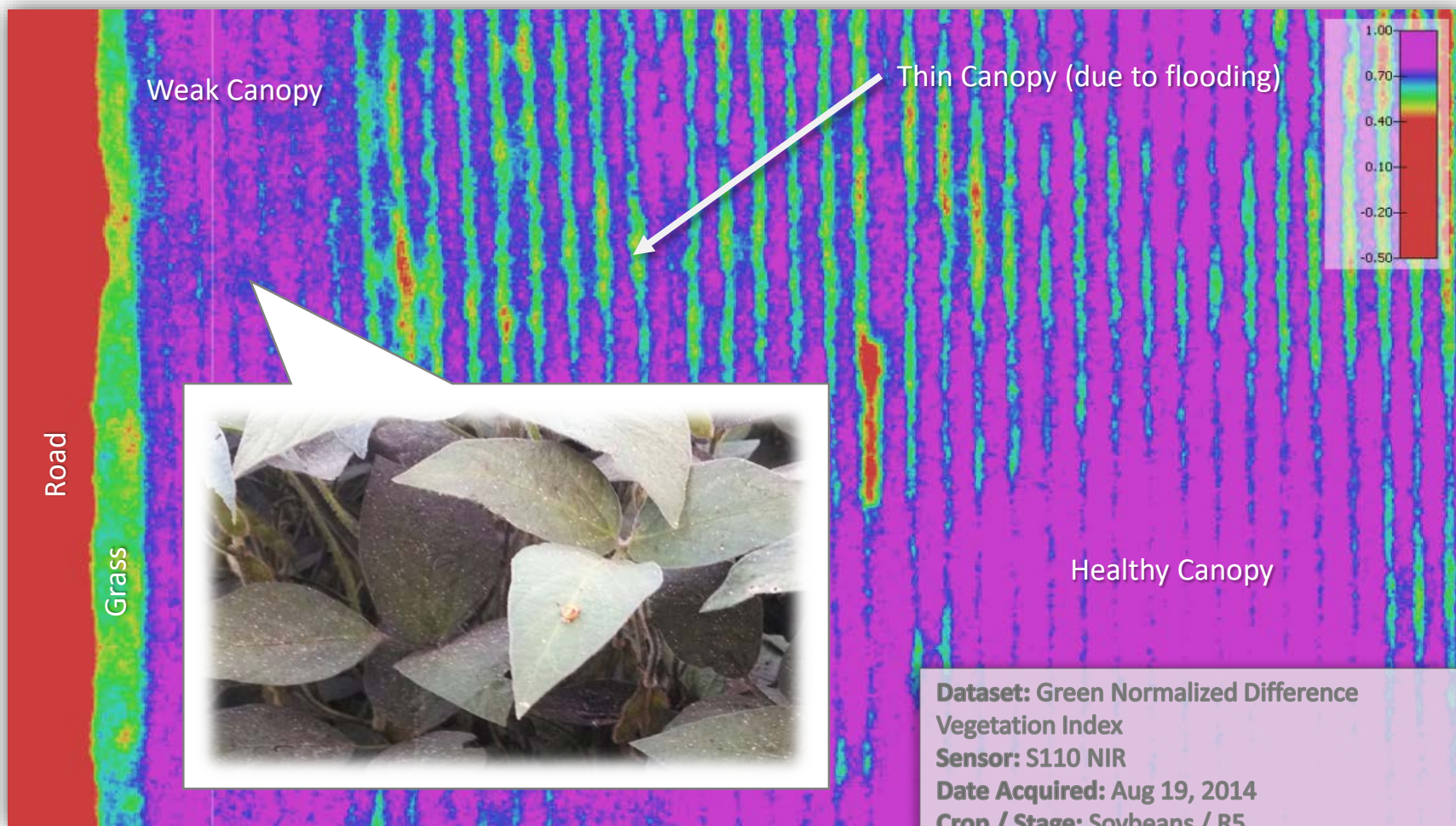




Shelby Ave

Shelby Ave





- Plant Identification
- Population
- Vegetation Health
- Beyond the Visible
 - Near-Infrared
 - Thermal-Infrared
- Single Band Analysis
- Multiple Band Analysis
- Per Plant measurements
- Real Follow-thru on data observations





Image Acquired: June 6, 2013
Source: eBee Flight
Resolution: 3.0 cm/px
Crop/Stage: Corn/V2-V3

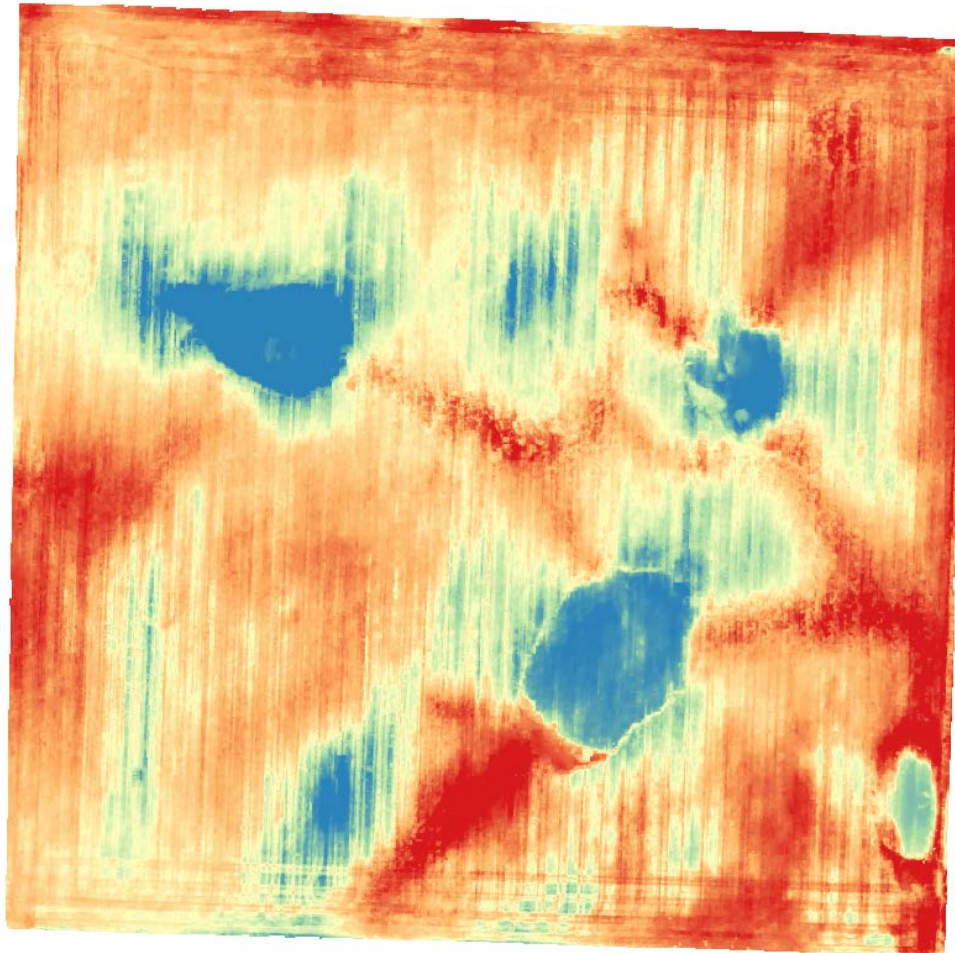
Image Acquired: June 10, 2013
Source: Scout Camera
Crop/Stage: Corn/V3

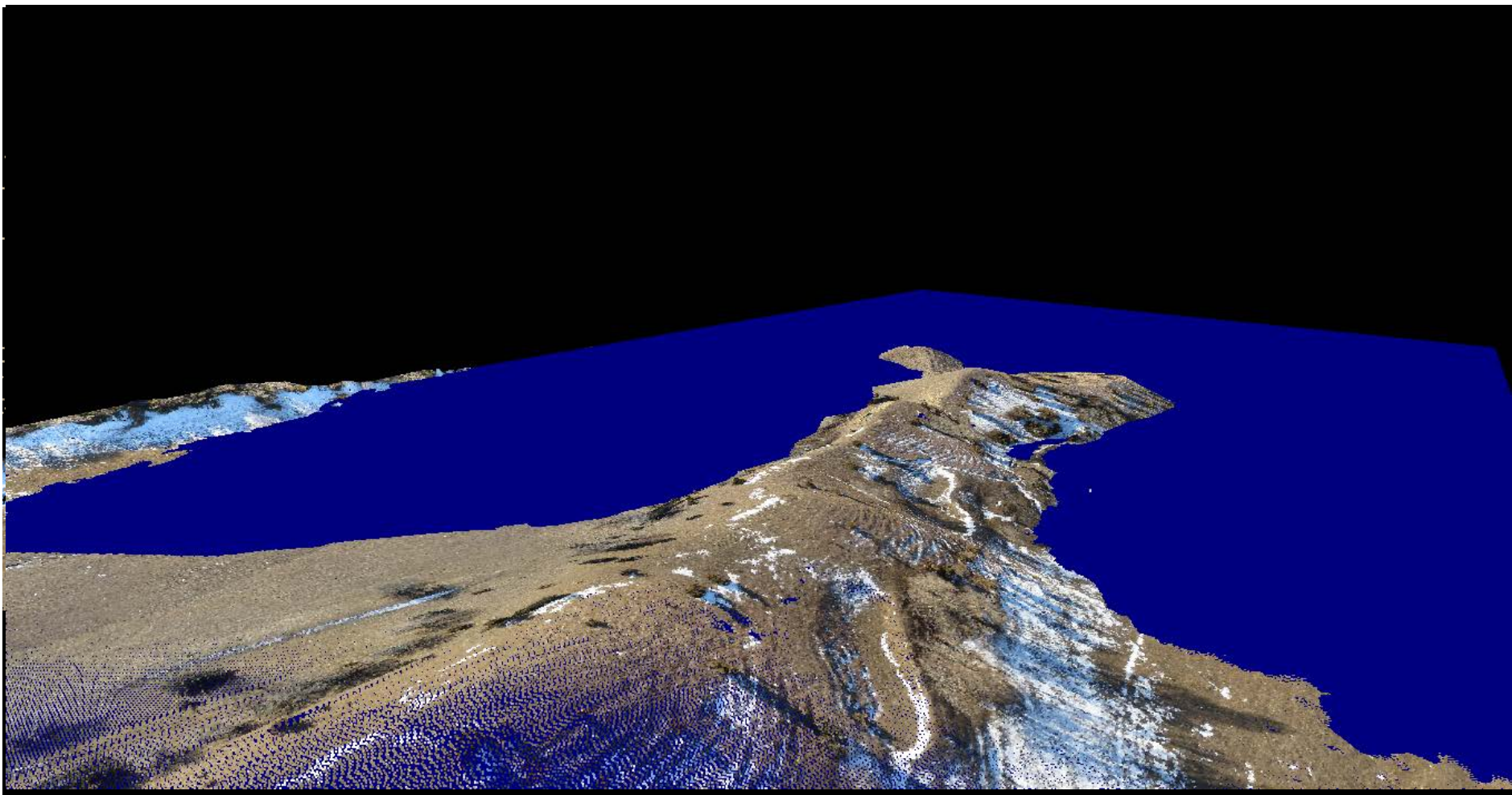


Method of Calculation:

- *Corn spaced in 30" rows*
- *17.4' represents 1/1000 acre*
- *32 plants counted in 17.4'*
- *Population in area is 32,000 seeds/acre*

Thermal Imagery





Previous Points in 3D

Measurements

Planning

LABRE Crop Consulting

Sampling

Data

Equipment

1805 Ralston Avenue

Manson, Iowa 50563

(712) 469-7512

www.gpssoilsampling.com

