



Aerial Analysis and Ground Truthing Services

Features and Benefits

- 13 manned aircraft flights, capturing drone-like resolution
- 10 cm “single plant” resolution
- Computer generated analysis of individual crop rows
- Aerial analysis detects anomalies and unusual changes
- Analysis report delivered within 48 hours of every flight
- Early-season weed map
- Identification of sampling points for scouting and yield estimates
- Rank and sort fields that need attention
- Email alerts when analysis report is ready
- React to problems rapidly to improve yield
- Reduce input costs with targeted vs. blanket applications
- End-of-season yield analysis
- 100% automated solution all season long

Insights Direct Actions

Normalized Difference Vegetation Index (NDVI)

NDVI with anomalies indicates crop stress and localizes problems in a field.

Color Infrared (CIR)

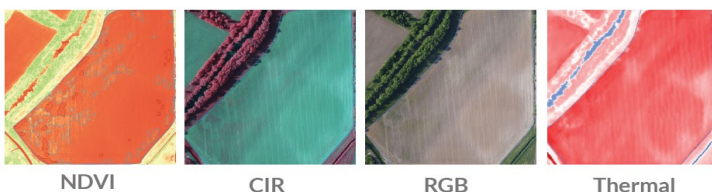
CIR shows more detail, especially early in the season, making it easy to see areas of uneven stands or weeds.

RGB (Red, Green, Blue)

RGB provides a standard color image of your field and is especially useful in the early season for viewing surface soil conditions.

Thermal

Thermal measures the heat radiating from the field so you can understand temperature of the crop canopy or soil and how the plants are reacting to those conditions.



AgMRI anomalies, shown in the NDVI image, identify and prioritize problems so you can take action.



Early Detection of:

Emergence issues

Early-season weeds

Nutrient deficiencies

Weather damage

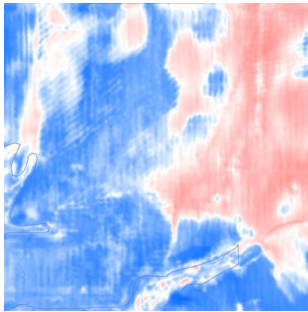
Disease outbreaks

Insect infestations

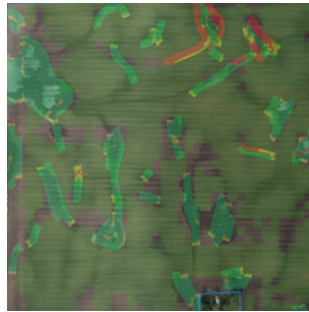
Our in-depth aerial analysis gives you insight into the most critical points in the growing season so you can make decisions that impact this season and beyond.

Powerful Insights—All Season Long

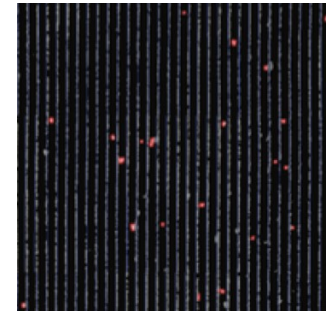
EARLY



Sort by thermal values to identify fields dry/warm enough to plant.

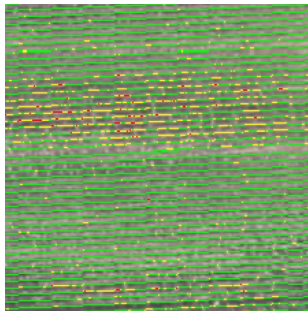


Identify missing vegetation or weak plants for targeted replant.

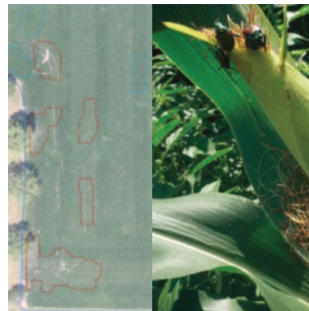


Locate weed escapes and herbicide-resistant weeds to target herbicide.

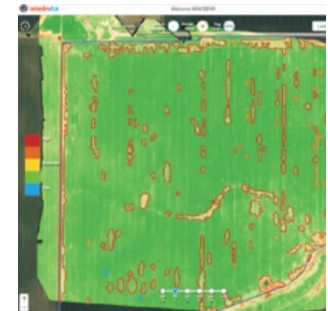
MID



Visualize crop health with Vegetative Row Analysis.

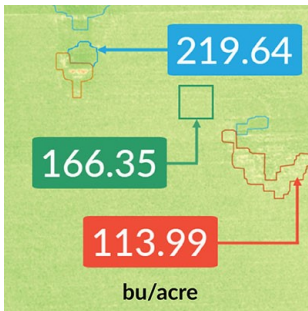


Intercept pests before they progress further into your fields.

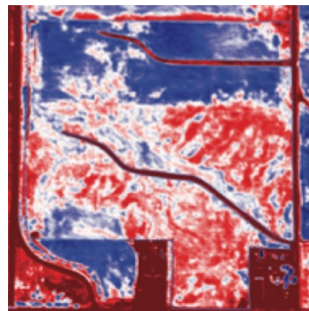


Identify nitrogen deficiencies and take action.

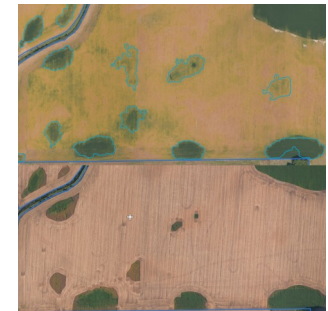
LATE



Market confidently with better yield estimates via strategic sampling.

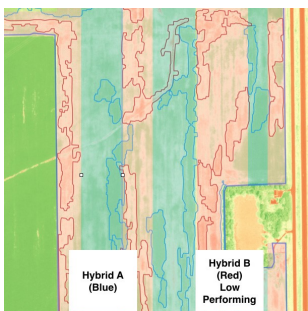


Plan your harvest based on the dryness of your fields.



Avoid areas not ready for harvest.

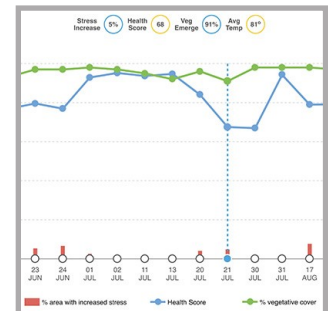
OFF SEASON



Monitor performance of one hybrid/population over another.



Identify tiling effectiveness and estimate the potential impact of future action.



View field performance from the season.