

Our **Innovation**
Your **Intelligence**



GeoFarmer[®]

Actionable intelligence through continuous crop monitoring

GEOTERRAIMAGE has developed the **GeoFarmer**[®] crop monitoring platform to support precision farming management through the provision of relevant, up-to-date and accurate information, with map illustrations, statistics, and crop trends in a dashboard.



GEOTERRA
IMAGE

www.geoterraimage.com



What is GeoFarmer[®]?

The **GeoFarmer[®]** crop monitoring platform provides continuous information on crop development throughout the crop growing season. The crop monitoring is based on five crop indicators generated from satellite imagery.

This information can assist experts on the farm such as soil scientists, agronomists, as well as financiers and off-takers to track crop growth from crop emergence to full maturity.

Advantages and Features:



Each field is processed and colour ramped individually to enhance variability



Satellite sensors can detect crop stress 7 to 10 days before the human eye



Allow early detection of crop stress in specific locations within a field



Generate coordinates or google map pins to navigate to stressed area in a field



Regular updates based on Sentinel 2 satellite 5-day revisit cycle



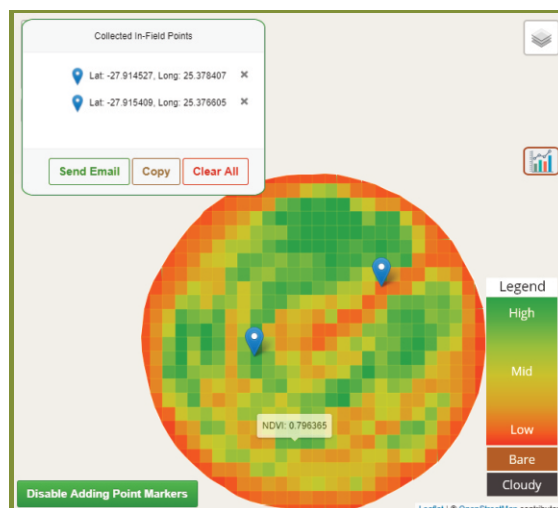
Cloud platform with automated processing and updates



Dashboard with graphs to compare all indicators and fields on a farm



Download information in tabular format: excel spreadsheet, csv or pdf



Navigation to stressed locations based on pixel level variation

Crop Indicators

The **GeoFarmer®** platform has the advantage that it includes a full spectrum of 5 Crop Indicators that monitors crop development during all the phenological (growth) stages to identify crop stress and show trends of crop evolution throughout the growing season.

- 1 NDVI is sensitive to general plant health and crop vigour
- 2 Leaf Area Indicator is sensitive to the amount of green leaves
- 3 Photosynthetic Activity Indicator shows levels of photosynthesis and nitrogen status
- 4 Moisture Stress Indicator shows crop reaction to soil moisture levels
- 5 Senescence Onset Indicator shows disease stress or crop maturation

Also available on the dashboard is five climatic indicators showing daily measurements with seasonal graphs for min temperature, max temperature, rainfall, humidity, transpiration, and evaporation. These climatic indicators will assist users in analyzing the crop indicator trends shown in the dashboard example below.

Interactive Dashboard Example



Contact Us :



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