



Capture Field Trials Analytics

Tool for better understanding research plots

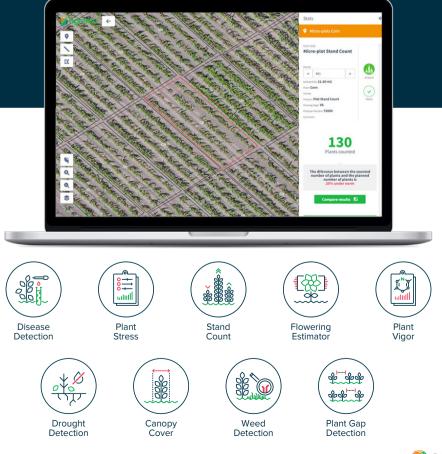


Improve the research and development process for seed and agrochemicals

The Agremo Al tool improves the efficiency of field trials inspection and enables bias-free field trial analytics for CROs, Seed, and Agrochemical input producers.

Avoid subjectivity with bias-free reports and:

- » Remotely track the crop progress of all trial plots throughout the year
- » Collaborate with geographically dispersed teams and colleagues
- » Process thousands of trial plots for the time cost of just a few
- » Get quantification & visualization of important crop parameters
- » Ease the labor-intensive process of walking the trials.





Improve the effectiveness and accuracy of trial plot data collection with Agremo AI.

Checking trial plots on foot is an inefficient, labor-intensive process prone to mistakes. Agremo Al allows you to improve your technique - You can count plants on thousands of plots in a fraction of the time you do now.

Imagine counting plants in a couple of thousand plots in just a few hours at the highest available accuracy.















Sunoko*

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Agremo Stand Count analysis shows how successful seeding was and how many plants farmers will be able to harvest. In addition, withal can help understand different sowing rates in different plots to achieve the highest yields.

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Zdravko Hojka PhD Agroservice and Product Manager (Maize and Oil Crops), KWS SAAT AG



Plant number per plot & row

Evaluate pesticide efficacy

Measure the fertilizer efficiency and hybrid • performance

Quantify the percentage of weed coverage in trial plots

Quantify the Plant flowering on a plot level

NDVI on a plot level in addition to the AI reports Gain access to one of the best on-the-market stand count solutions and determine the exact number of plants on the selected plot area. Get the accurate plant numbers in rows for each plot. Evaluate the germination with Al Stand count with actual counts over each plot, and use the information for your research and trial plot performance grading.

Agremo's Al solution maximizes research efforts. In addition, the collected information serves as an additional layer for decision-making, helping agrochemical companies and CROs determine the success of their trials.

With Canopy Cover and Plant Vigor analyses, you can easily identify poor performance hybrid plot trials or measure the fertilizer and plant stimulant performance.

Analyze the weed coverage per plot with Agremo Weed Detection. You can evaluate the success of herbicide efficacy more accurately and conveniently and use the results for further grading processes.

Easily quantify crop flowering levels for each plot more efficiently. Use the data for conclusions on pollinator saturation, head position, and nutrient impact.

Check the plant health indices calculated for each plot individually and download the whole report. See vegetation indices: VARI, EXG, GLI Index, Visual NDVI, NDVI, SAVI, RENDVI.





We will support you during the project.

Implementation & Custom Development

» Full integration guidance

» Custom-made solutions

Project Support & Management

- » Professional advice on mapping
- » User onboarding and additional training
- » Customer Support service

Drone Flight Operations

» Drone purchase and usage guidance

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- » Drone operator recommendations
- » Agremo drone mapping services

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led for Trials

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vs you to conveniently generate your plot borders with just a ks. You can change the number of rows and columns and e plots to fit the layout of your trial. In addition, you can he plots and assign the values and information essential arch to each plot border.

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nitor and manage your plants with four vegetation indices available: LI Index, Visual NDVI, SAVI, RENDVI, NDVI.

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t- Get the full micro-plot analysis report in CSV and Shapefile. ontain data-rich visualizations and they can be accessed offline. ne analysis history, download analysis reports in CSV file format performance data at your fingertips.

on Tool

analysis report and leave a comment for your colleagues. Not get accurate field trial data, but you can also collaborate with your ne same field analytics tool.

arison Tool

different analyses reports on the same map of one field. Upload multiple maps of the same field to compare the s report at different growing crop stages.



List of traits per crop

Field Trials Recommended Analyses							
	Cereals	Corn	Soybean	Sugarbeet	Canola	Sunflower	Lettuce
Stand Count							
No. of Plant per Row		~	~	~		~	
Gap Length							
Plant Vigor	~	~	~	~	~		~
Canopy Cover							
Weed Cover	~	~	~	~		~	~
Yellow rust							
Yellowness		~	~	~	~		
Lodging							
Flowering		~			~	~	
Plant Size							
Plant Height		~				~	
Vegetation index							



Field Trials Insights package

The Field trials Insights package is designed to support researchers and breeders during data collection for plot-scoring in plant breeding and chemical efficiency trials.

Package Specification

Available analyses: Stand Count, Canopy Coverage, Plant Vigor, Weed detection, Plant Stress, Flowering (canola).

Vegetation Indices: RGB (NDVI, VARI, GLI, EXG), Multispectral (EXG, VARI, NDVI, OSAVI, GDVI, SAVI, GNDVI, SR, RGVI, MERCER, RENDVI, ARVI, SIPI)

Subscription validity: 12 months Supported sensors: RGB and Multispectral Number of maps: unlimited Processing time: 24-48h

Included tools

Plot creation tool CSV data export SHP Maps & Results sharing Map comparison Co-branded platform and reports Measurement tools - area & line

Optional add-on: Image stitching engine for the creation of 2D drone maps

Pricing

The Field Trials solution is a license-based model for one user with an applied fair usage policy.

A team license model includes a minimum of 5 users, with a price security option, or any additional member joining the team. The user's license includes User training and Project Support.

Please send us a Request For Quote with the number of users and the number of plots you have in your trials.



About us

Our platform is just one of the reasons why our clients love working with us.

We firmly believe that great progress needs to have great people behind it.

This is why we have agricultural consultants working with data analysts, passionate drone operators and savvy software engineers.

This unique blend of agriculture and technology enables us to know how to make the **right decisions at the right time**.



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