Crop Monitoring

Targeted field management for your business

Turn your field into profitable crops

Agremo is an AI-based precision agriculture software for field and crop monitoring. We are dedicated to providing professional growers, food producers and agro consultants with precise field data.

Subscribe to an all-in-one crop monitoring product for a successful growing season! Everything you need to make use of each acre of your farm and make data-driven decisions.

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Agremo - Precision farming at its best

Our professional agronomists, drone specialists, AI experts and software developers are working hard to give you the best ag tech solution on the market.

If you need a year-round crop monitoring system to ease your decision making, better understand your crops and use the field data efficiently, Agremo is the right choice for you!

Make the most of your field crop data

With this Agremo's subscription-based solution you can manipulate field data more efficiently thanks to remote sensing sensors. No need to analyze thousands of acres on foot when you can digitize the whole process.

Efficient data collection based on aerial intelligence

Crop scouting can be time consuming and prone to errors, not to mention bad weather conditions and remote areas. Collecting insufficient or wrong data can result in huge revenue loss. Instead of analyzing thousands of acres on foot, invest in technology that delivers only precise data backed up by aerial field imagery.

Objective and complete data analysis

Empower your knowledge and experience with drone technology and artificial intelligence. Collecting real and accurate data is Agremo's job, you just focus on implementing that data into your business.

Field data management and digitalization

Smart farming is the future, don't wait any longer to enjoy the benefits of digitalization. With actual data that is digitized and easily integrated into other Ag systems, you cannot but increase profits and make better decisions.

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What specific problems can we solve?

Monitor crop development

Estimate the yield potential, locate and control the yield loss with Stand Count analysis. Evaluate seed quality and decide where to replant. Keep track of your crops health and growth and optimize the usage of fertilizers with Plant Vigor analysis.

Assess plant damage

Discover areas with missing plants or those with micro or macro elements deficiency by running the Canopy Cover analysis.

Detecting and reducing plant stress on time

Agremo's Crop Monitoring product offers a wide range of analyses and tools to help you detect the poor condition of your plants. With Plant Stress analysis you can spot the problems not visible by the naked eye and take the necessary measures before it's too late.

Suppress weed infestation

Agremo's Weed Detection analysis identifies different levels of weed pressure on the field and provides you with the precise field condition. Perform effective pre and post-treatment validation and much more.

Prevent crop underperformance

With Waterlogging Detection analysis you can prevent future crop losses, locate all waterlogged areas and reduce negative effects of this field condition.

Save time, manage costs, and be more efficient

Reduce crop input costs, spend less time on field scouting.

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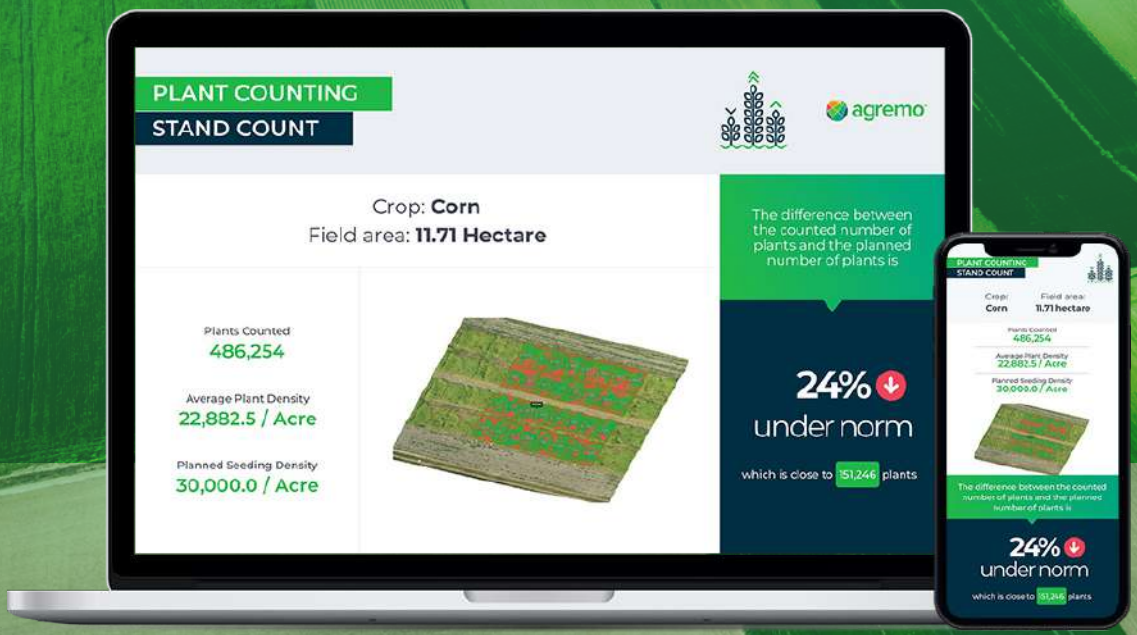
Getting the whole picture



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Here is how it works

COLLECT DATA

Agremo is hardware agnostic. You can use any type of drone equipped with RGB, multispectral, or hyperspectral sensors for the acquisition of aerial data. The recommended GSD (Ground Sampling Distance) should be 2.5 cm/pix or less (with significant overlapping).

GENERATE MAPS

Agremo requires a stitched orthomosaic map in a GeoTIFF format as an input. You can process your raw data to an orthomosaic map and upload a generated map into Agremo's app.

ANALYZE IMAGES

Agremo offers two families of analyses - Plant counting and health monitoring. Process of requesting the analysis is just a few clicks, the rest is on our powerful AI to do its magic.

MANAGE FIELDS

As a result, you will get outputs which you could use for seasonal monitoring and upload them to 3rd party apps such as John Deere Operations Center.

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Agremo Crop Monitoring

Purchase an annual subscription and get extra tools for FREE

Map comparison tool

Compare two different types of analyses on the same field or two same field analyses at a different growing crop stage.

Elevation tool

Analyze the 3D model of your field and examine field data based on different elevation points. View your map from the other perspective!

Plant Health VI

Visualize, monitor and manage your plants with four vegetation indices available: VARI, EXG, GLI Index, Visual NDVI, SAVI, RENDVI, NDVI.

Biomass calculator

Predict biomass in field crops to get better insights of your yields. Calculate plants density, the biomass of each plant and total biomass.

Corn calculator

Get the actual predictions of the corn yield on the analyzed field or field area. From high, average to low yield productivity, see how your corn yield is performing!

Zone management tool

Split your field into different zones to perform and manage important, but various ag activities.

John Deere and Drone Deploy integration

Agremo tool is fully integrated with John Deere and Drone Deploy apps. Import field annotations from John Deere Operations Center or export the field analysis results and variable rate prescription map straight to your tractor.

Collaboration tool

Share every analysis report and leave a comment for your colleagues. Not only can you get accurate field data, but you can also collaborate with your team within the same tool.

Organization

This additional feature comes in handy when you want to work on multiple projects and collaborate more effectively with your team. Instantly share crop data with anyone and they can access the Agremo tool wherever they are.

Report Export

Get the full crop analysis report in PDF and Shapefile. Easily access the analysis history and download analysis reports in CSV file format.

Variable-rate Spraying

Perform precision spraying and spray only the infested areas or the areas that lack nutrients.

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Recommended crop types

Agremo's technology works successfully on more than 100 crop types. From our experience, these are the most popular crops supported by Agremo's crop monitoring product.

Crop Monitoring - Recommended Analyses						
	Stand Count	Canopy Cover	Plant Stress	Weed Detection	Plant Vigor	Waterlogging Detection
Corn	✓	✓	✓	✓	✓	✓
Wheat/Barley	✓		✓	✓	✓	✓
Rice	✓		✓	✓	✓	
Soybean	✓	✓	✓	✓	✓	✓
Potatoes	✓	✓	✓	✓	✓	✓
Canola	✓		✓		✓	✓
Sunflower	✓		✓			✓
Sugar Cane	✓		✓	✓	✓	✓
Sugarbeat	✓	✓	✓	✓	✓	✓
Cotton	✓	✓	✓		✓	✓
Tobacco*	✓	✓			✓	✓

* Flowering analysis is supported for tobacco.

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Together for your farm!

Embrace **precision agriculture technology** and become a sustainable ag business with Agremo!

Agremo reports are easy to understand and provide actionable information throughout the season.

Know what is happening on your field at any given moment!

Agremo reports help you to..

- Increase productivity throughout the season
- Maximize profit by maximizing your crop performance ratio
- Optimize your crop monitoring processes
- React proactively to irrogation problems, pest and weed infestations
- Obtain and share your user-friendly accurate outputs with others
- Make effective management decisions based on facts, instead of estimates
- Save time by automating and improving the scouting process

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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**.

Do you want to know how Agremo can help you take your business to the sky?

Visit our website **www.agremo.com**
or get in touch **sales@agremo.com**

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