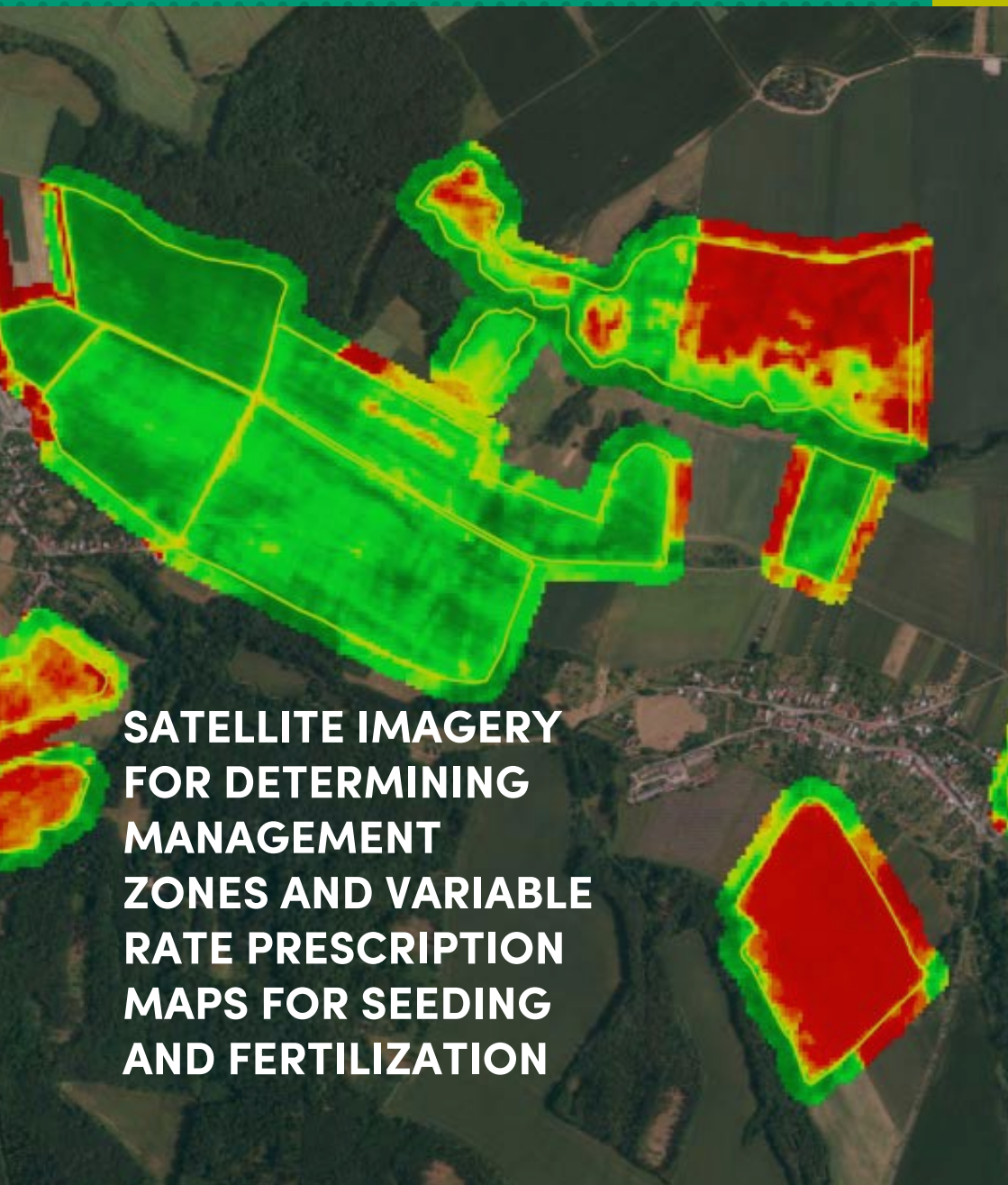
CLEVER° FARM'

SATELLITE DATA



SATELLITE IMAGERY FOR DETERMINING MANAGEMENT ZONES AND VARIABLE RATE PRESCRIPTION MAPS FOR SEEDING AND FERTILIZATION

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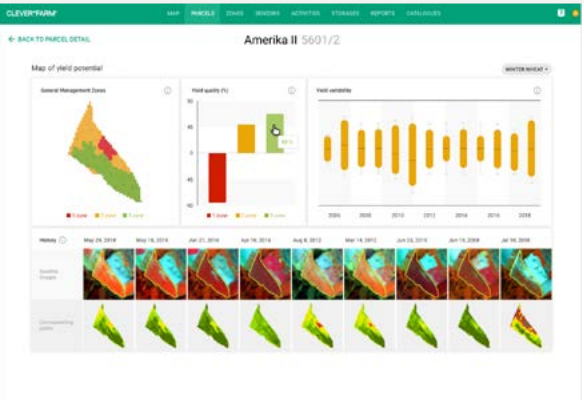
Determining growth potential for your crops



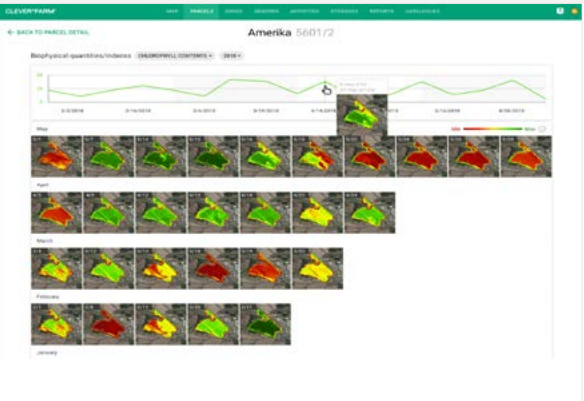
Historical Growth Variability

We use long-term satellite imagery to analyze patterns in the variability of growth for different crops on all of your plots. The variability is described using indicators connected to plant growth, which are determined by satellite data.

Delineating Management Zones

By analyzing historical images you can identify areas of your land which have had long-term problems in output, and delineate them into management zones. This will divide your land into performance categories, and you'll be able to much more easily estimate the yield potential from these zones. If high variability is found, it is best to apply the principles of precision farming.

Monitoring



Monitoring

You gain access to current and historical satellite imagery which help you track biophysical indicators such as chlorophyll content, water content, and leaf area index. This allows you to better delineate problem areas on your farm and will allow you to address these areas before they become an issue.

SATELLITE DATA

OUR SOLUTION ALLOWS ALL FARMERS TO APPLY THE PRINCIPLES OF PRECISION FARMING TO THEIR FARM.

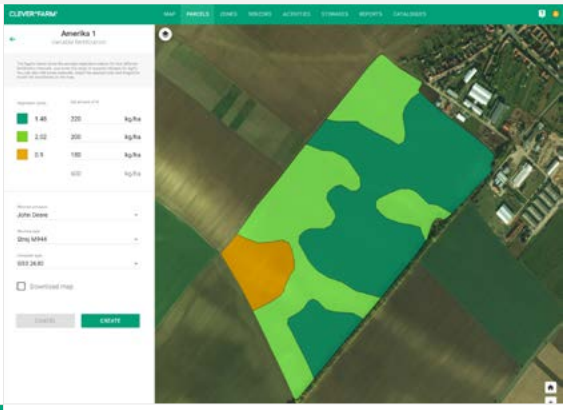
State of Growth

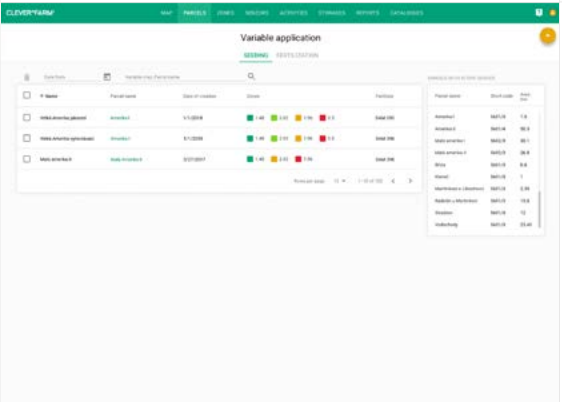
Unique biophysical parameters help you plan out your farming operations. By monitoring the chlorophyll and water content of your vegetation, along with leaf mass, you can track the speed at which your crops are ripening, as well as their current maturity level. This will help you optimize your harvest.

Create variable maps

Variable Maps

In the application you can easily create variable rate prescription maps for seeding and fertilization. You can then load the created map into your tractor's terminal using a portable drive. You will apply the fertilizer or seeds according to the variable map using the ISOBUS interface. This allows you to use precisely what you need and eliminate waste.





Precision Farming

Optimizing the amount of fertilizer that you use not only saves you in material costs, but also typically will increase your yield by a few percent. Also, using only the amount of fertilizer that you need has a positive impact on the environment.

* The Satellite Data service is provided in cooperation with GISAT s.r.o.

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Based on satellite imagery, you can evaluate the variability of your fields and create variable maps for seeding and fertilization. This allows you to save costs and materials. In the application you can monitor the entire growth cycle of your crops with the help of a selection of biophysical indicators.

Precision Farming for Everyone

By using the satellite imagery of the European Copernicus program, we are trying to give all farmers access to the tools of precision farming.

Information All in One Place

You have all of the important information available in the app, including: vegetation status, biomass development, chlorophyll content, and other biophysical indicators evaluated from satellite data.

Material Cost Optimization

Thanks to the principles of precision farming, you can significantly save on material, be it fertilizer, seeds, or plant protection products.

Environmentally Friendly

Precision farming isn't only good for your farm, but also for the environment.

Custom-tailored Service

As part of the comprehensive Satellite Data service, you can use only the parts which you are interested in. Based on historical imagery, we can help you determine growth potential for your crops, as well help you monitor your crops and create variable maps.

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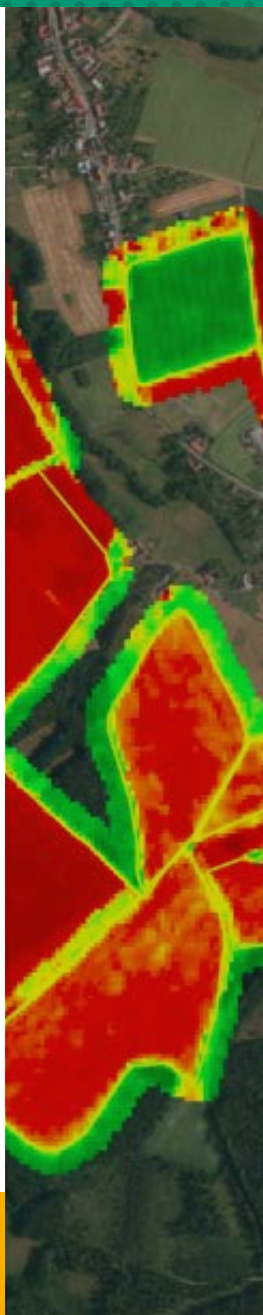

Farm clever!

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