

What is SatAgro about?

SatAgro combines satellite imagery and meteorological data with best-in-class tools. We've created an easy-to-use, affordable precision farming and crop management utility.

Highly accessible, we use data from freely available sources including NASA, the European Space Agency and the World Meteorological Organization. We also work with commercial operators such as Planet Labs.

With SatAgro, you enjoy continuous monitoring of crop development. Observe the effects of weather and inputs, organize precision treatments, and analyze your historical data and past strategies. With prescription maps tailored exactly to your needs, you can sow, fertilize and spray with confidence, benefiting from automatic alerts to warn you of sudden changes in weather and plant health. Maximise the potential of your fields, save on fertilisers and plant protection products - and farm more sustainably.



You can access your SatAgro account through a feature-rich web application on desktop web browsers. To simplify your daily farm scouting, you can also use the Android mobile app - use satellite data and your device's geolocation capabilities to easily find and identify problems and opportunities.

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Important questions

How does satellite monitoring compare to other types of crop monitoring?

Satellite monitoring sits comfortably alongside other tools such as drones or field-based systems, data from which we regularly integrate with user accounts. But satellites offer two important advantages: affordability and simple, whole-farm coverage in one go. An ideal basis for many precision treatments, our satellite maps even allow you to estimate and compare alternative treatments before making a decision.

Why vary dosage?

Inappropriate or incorrect use of agrochemicals can affect farm profitability and environmental integrity. But a SatAgro application map makes it possible to use the same amount of inputs more efficiently, or to reduce doses locally without any loss in yields or chemical efficacy.

Are satellite observations provided on a continuous basis?

Year after year, we deliver images from more and more satellites. Two factors affect data availability: satellite type and cloud cover. In practice, during the season we provide at least a dozen maps. Satellite flight dates are published on the SatAgro dashboard. SatAgro Premium brings with it commercial data, more frequent updates and a higher image resolution.

How does SatAgro support customers in interpreting satellite data?

Through direct contact with our customers, we offer assistance with data usage and interpretation - creating application maps, for example. Visit our social media and blog for everyday precision agriculture content.

Will I be able to use SatAgro data and files with the software and machinery I already use?

Everything you create within the service can be exported in industry standard formats. This is particularly important in the case of prescription maps for precision treatments. SatAgro files are compatible with sprayers, spreaders and terminals from leading manufacturers, including John Deere, Trimble, TopCon, Amazone and others. If you operate John Deere machinery at your farm, you can even integrate SatAgro with your MyJohnDeere account and send files wirelessly to your equipment in the field.

SatAgro
Agriculture
precisely for you

Satellite observation:
higher-earning crops



SOUTHERN MAPPING
A WOOLPERT COMPANY



Continuous monitoring – up-to-date insight into crop state and variability, from sowing to harvest.



Prescription maps – electronic dosing files, widely compatible with most manufacturers' systems, and integrated with MyJohnDeere. File formats: .shp, ISOXML and others.



Soil sampling – optimization of sampling locations based on satellite data, tools to transform lab results into variable-rate prescription maps.



Historical data – extensive archive of satellite imagery, chart time series (crop growth, temperature, precipitation) going back to 2002.



Diary – easy-to-use log for keeping track of crop history, treatments, expenses. Display information on charts for intuitive juxtaposition with weather and satellite data.



Alarms – automatic notifications – be alerted when a given variable breaches pre-set levels.



Moisture deficit and irrigation – track precipitation and soil moisture deficits, optimize irrigation. Assess drought impact.



Weather forecast – easy access to current weather information and forecast.



Yield data – use long-term productivity data to create field management zones and yield modelling for primary crops.



Customer support – assistance with interpreting and applying SatAgro information in the field.



Easy data import and export – soil data, sensors, smart weather stations, etc. Export satellite and weather data in standard formats.



1 **Map area** – observe variations in crop development within the selected field, and gain insights into the long-term characteristics of the field, such as soil and moisture dynamics.

2 **Map value** – in the mobile app, this value corresponds to the **user's location in the field**, creating a powerful tool for the implementation of precision agriculture.

3 **Chart area** – information on crop state and weather timeseries (Growing Degree Days) back to 2002.

4 Vertical lines on the timeline mark **events** – either created within SatAgro, or added by the user – such as sowing, fertilization, harvest, available satellite images.

5 Horizontal lines mark **alarms**, e.g. temperature reaching frost-risk levels, crops reaching a specified level of development.

6 Use the **Precision Treatment Wizard** to create variable rate application files from individual satellite images. Specify zones, rates and other parameters for drilling, fertilizing and spraying.

7 **Choose the data to be displayed** – specify the type of satellite (operated by NASA, ESA, or commercial companies), type of information or date of acquisition. As well as satellite imagery, the user can import their own data (yield maps, soil properties, etc.).

8 Compare mode – enable this option to **easily compare information** from different fields, data sources and dates, e.g. a prescription map and the satellite image from which it originated.