



AGRICOLLUS[®]

OBSERVA

Satellite crop monitoring

Why choose

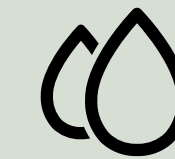
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Vigor indices

to assess crops
development and health



Water stress indices

to identify areas with water
requirement



Chlorophyll indices

to identify problematic
areas with chlorosis



Prescription maps

for optimal use of
fertilizers



FIELD MAPPING

Geolocate the field on the map and draw it: features will be immediately hooked. You can enable the cadastral map and enter sheet and parcel information.

Use one of the following methods to create your field.



Draw on map

Locate the plot on the map and draw it manually.

✓ Select



Automatic detection

Locate the plot on the map and enable automatic detection to map the field with just one click.

✓ Select



Upload files

Upload a .shp or .kmz file..

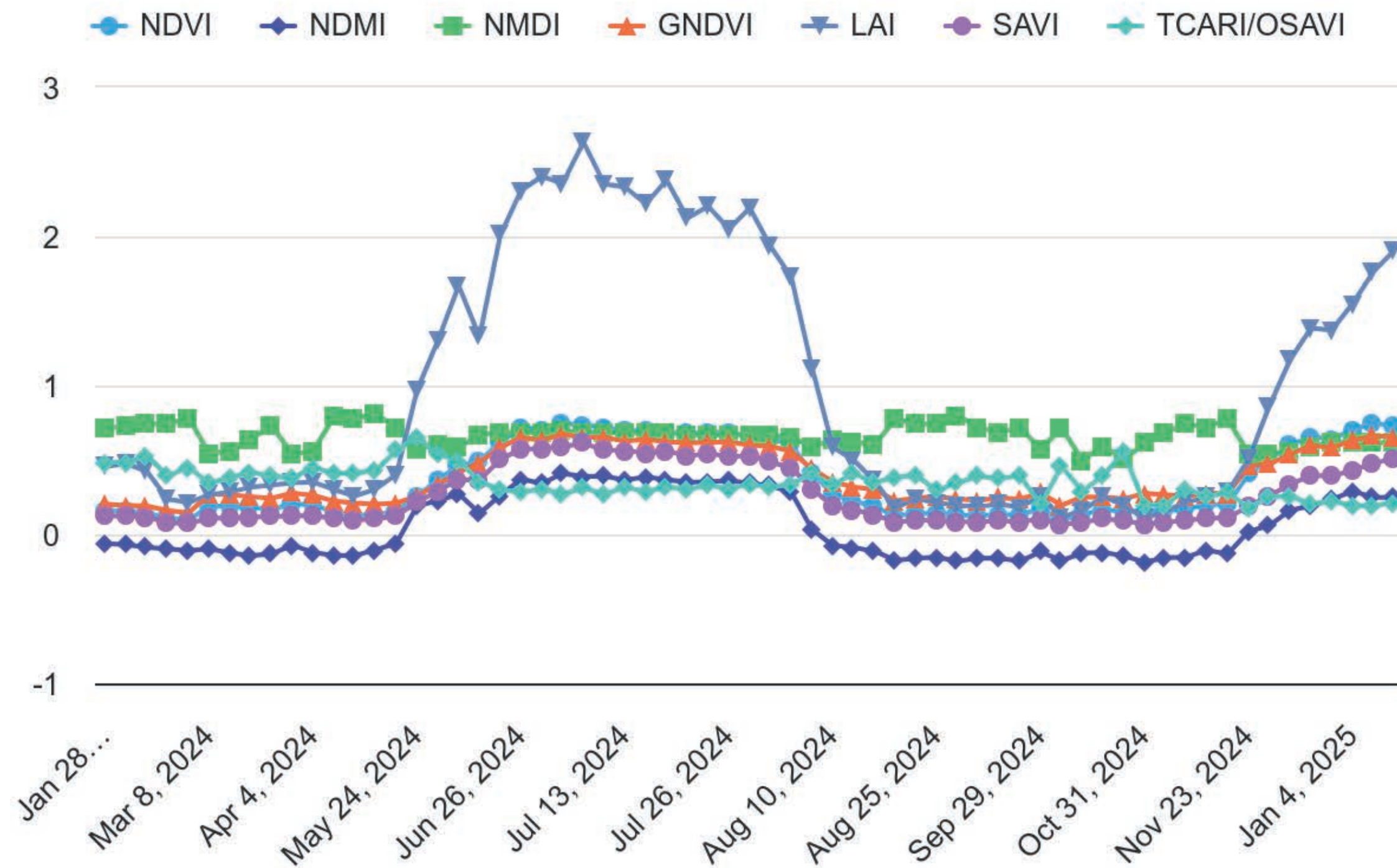
✓ Select





SATELLITE IMAGERY

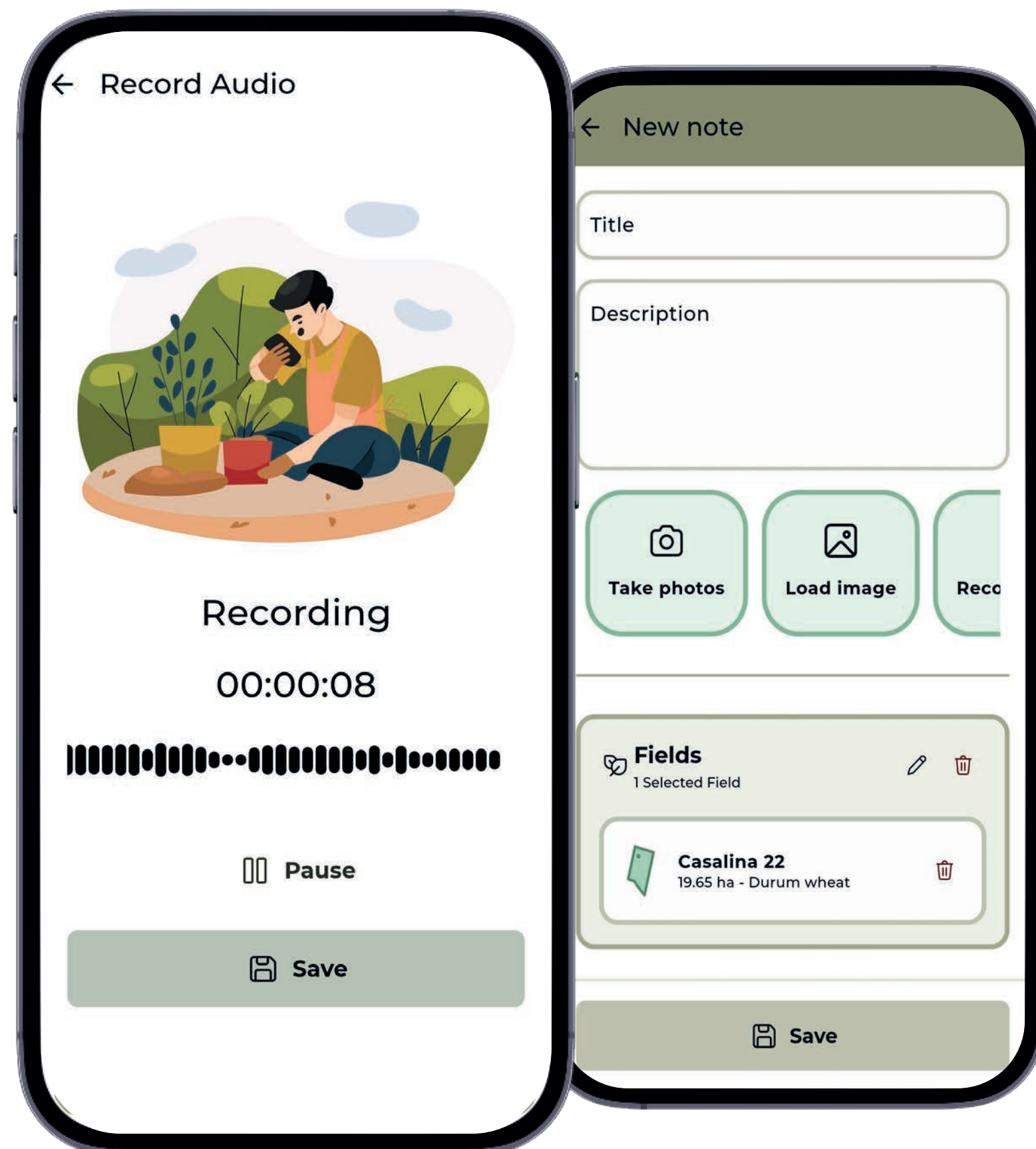
Consult Sentinel-2 satellite images of the field with vigor, water stress and chlorophyll indices, provided every 5 days at a spatial resolution of 10 meters.





CROP SCOUTING

Geolocate and register field activities with the **Agricolus' App** for phytosanitary monitoring and crop development evaluation.



- ⓘ ISSUES
- ⚠ CROP DAMAGES
- 🕒 TRAPS
- 📅 CATCHES
- 🌱 PHENOLOGY
- 🐛 PESTS AND DISEASES
- 🧪 SOIL ANALYSIS

Features



WEATHER



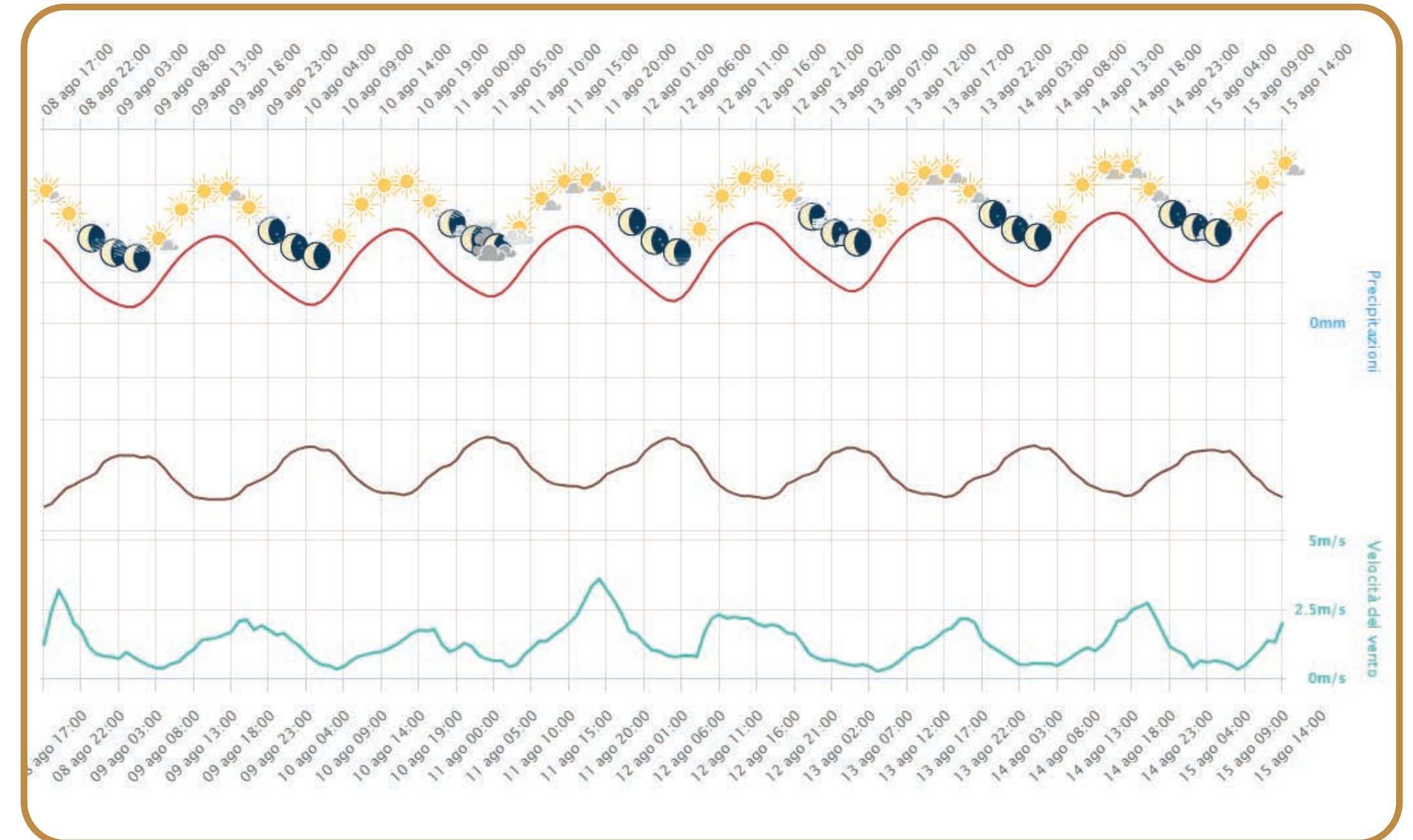
WEATHER FORECASTS

Consult professional weather forecasts up to 7 days updated every hour: **temperature, humidity, wind speed, rainfall.**



WEATHER STATIONS

Physical weather stations and sensors can be purchased or integrated if already present in the company.



Features



WORK



TASK MANAGEMENT

Create and assign to your collaborators the activities to be carried out in the farm **in real time**.



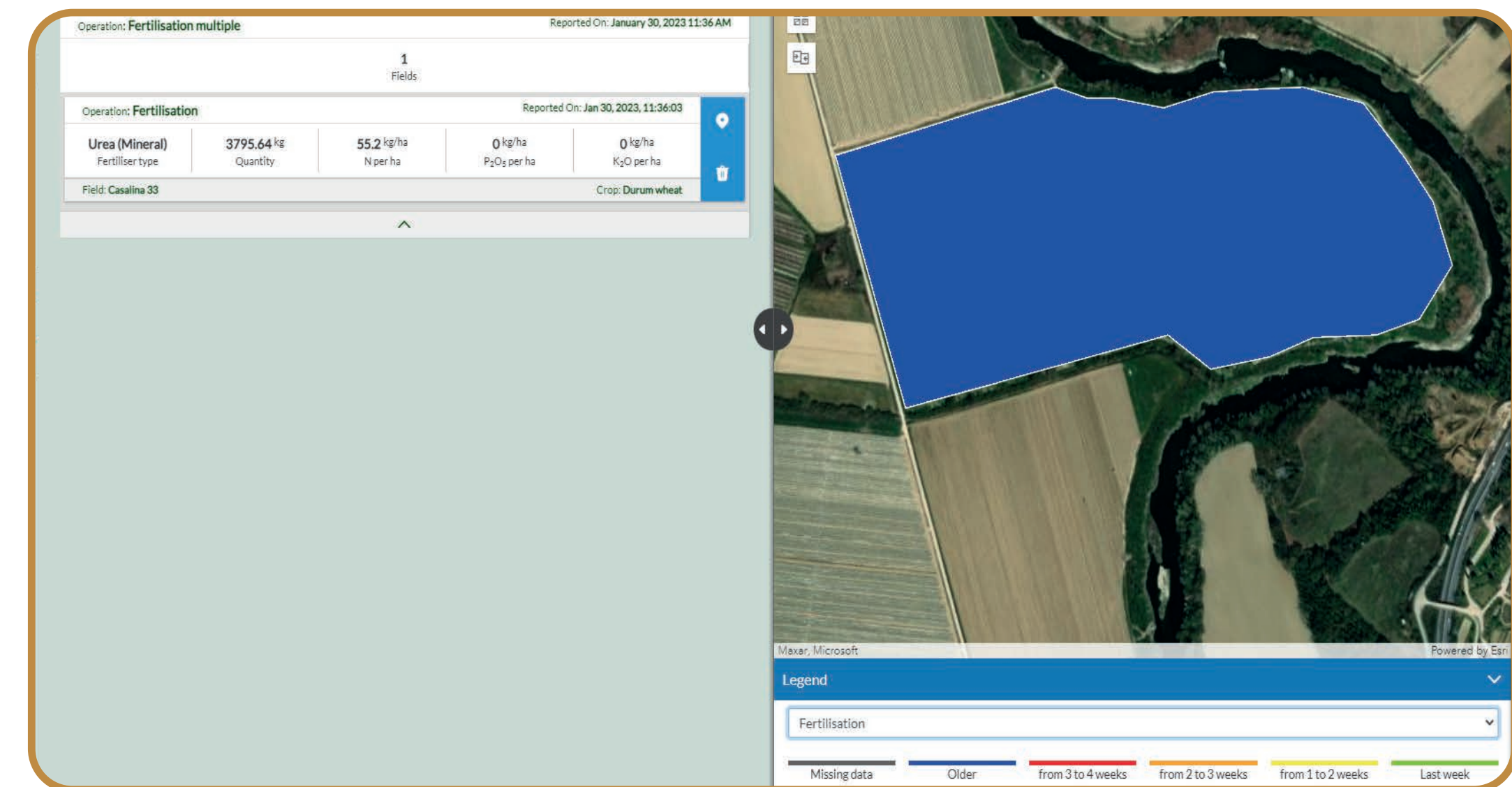
MACHINERY

Register your agricultural machinery, any problems and maintenance carried out. You can also connect them to Agricolus by using **Agrirouter**.



CROP OPERATIONS

Register where, how and when crop operations such as irrigation, treatments and fertilization have been carried out.



Features

Field: Casalina 22 | Layer: NDVI

Timeline: Jan 28, 2024, Jan 30, 2024, Feb 2, 2024, Feb 12, 2024, Feb 14, 2024, Feb 17, 2024

Fertilizer name: xx | Nutrient %: 46 %

Number of Zones (max: 9): 3 | Calculation mode: Min - Max

Min nutrient: 50 kg/ha | Max nutrient: 150 kg/ha

Zones	Area	Avg nutrient
Zone -1	7.23 ha	50 kg/ha
Zone 0	7.4 ha	100 kg/ha
Zone 1	5.09 ha	150 kg/ha

Total fertilizer: 1864.46 kg

Total area: 19.71 ha

Avg nutrient: 94.57 kg/ha

Use with machinery: Use with machinery

Choose machinery: Choose machinery

Download









PRESCRIPTION MAPS


Choose the most suitable vegetation index to draw up the prescription map and carry out a variable rate fertilization.



SUSTAINABILITY

Monitor the **economic** (yield, production) and **environmental** (water consumption, input control and farm biodiversity) **sustainability indicators** of your farm. You can set the level to be reached for each indicator and monitor how the work is going.

-  Economic 
-  Environmental 
-  Targets List 

 ENVIRONMENTAL INDICATORS ENVIRONMENTAL ?

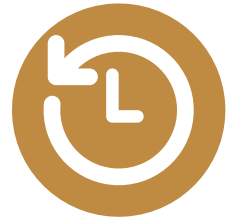
Environmental indicators focus on the impact of agricultural practices on the surrounding environment

Water

Indicator	Value
Total water consumption	5980.21 m ³
Average water consumption	163.1 m ³ /ha

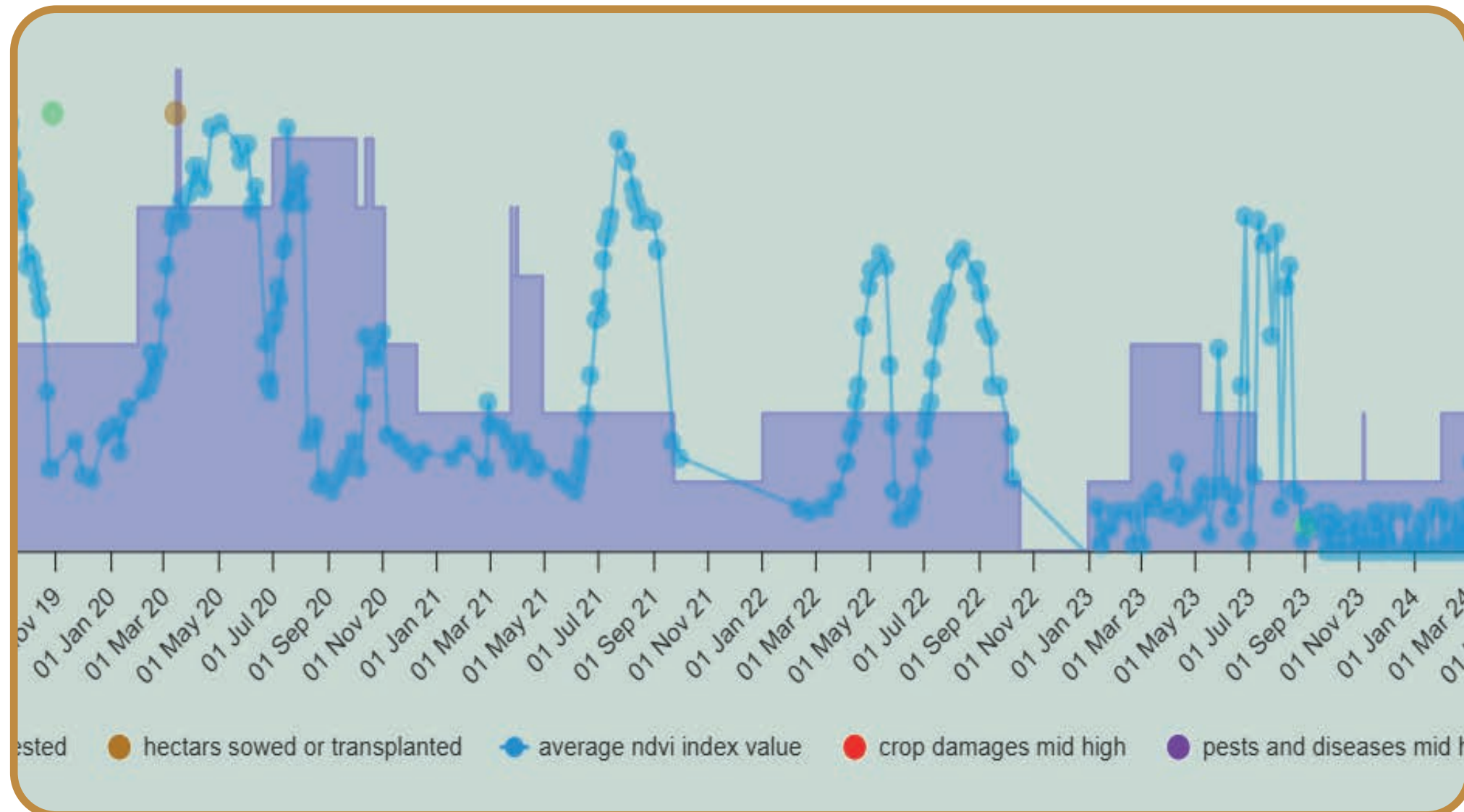
Fertilizer

Features



DATA HISTORY

Consult your farm's **historical data** and select a date from the past to analyze and compare accurate information on previous seasons.



CROP PLANNING

Register and quickly visualize your crop planning to better **plan** the following season.

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
1.Casalina 20	Durum wheat				Durum wheat								
2.Casalina 17					Common wheat								
2.Casalina 28					Durum wheat								
Casalina 19	Common wheat												
Casalina 22	Durum wheat												
Casalina 33	Common wheat												
Citrus 1	Orange						Orange						
CP 34-35	Common wheat												
DEMO MAIS	Corn						Durum wheat						
Pomodoro 1	Tomato												
Pomodoro 2	Tomato												

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