

A man with a beard, wearing a dark green shirt and blue jeans, is kneeling in a field of dark, rich soil. He is holding a tablet computer in his left hand and a small amount of soil in his right hand. In the background, the rear wheels and tracks of a tractor are visible, suggesting an agricultural setting. The lighting is warm, possibly from the setting or rising sun, creating a golden glow on the scene.

AGRICOLLUS[®]

PLUS

Complete agronomic management

Why choose

AGRICOLLUS[®]

PLUS



Monitor

fields and adopt targeted strategies



View

the health of vegetation with satellite images



Defense

from insects and diseases with forecasting models



Irrigate

with the right irrigation dose, when necessary



Create

prescription maps for an optimal fertilizer use



Collect

data in the field quickly and easily with the App



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..

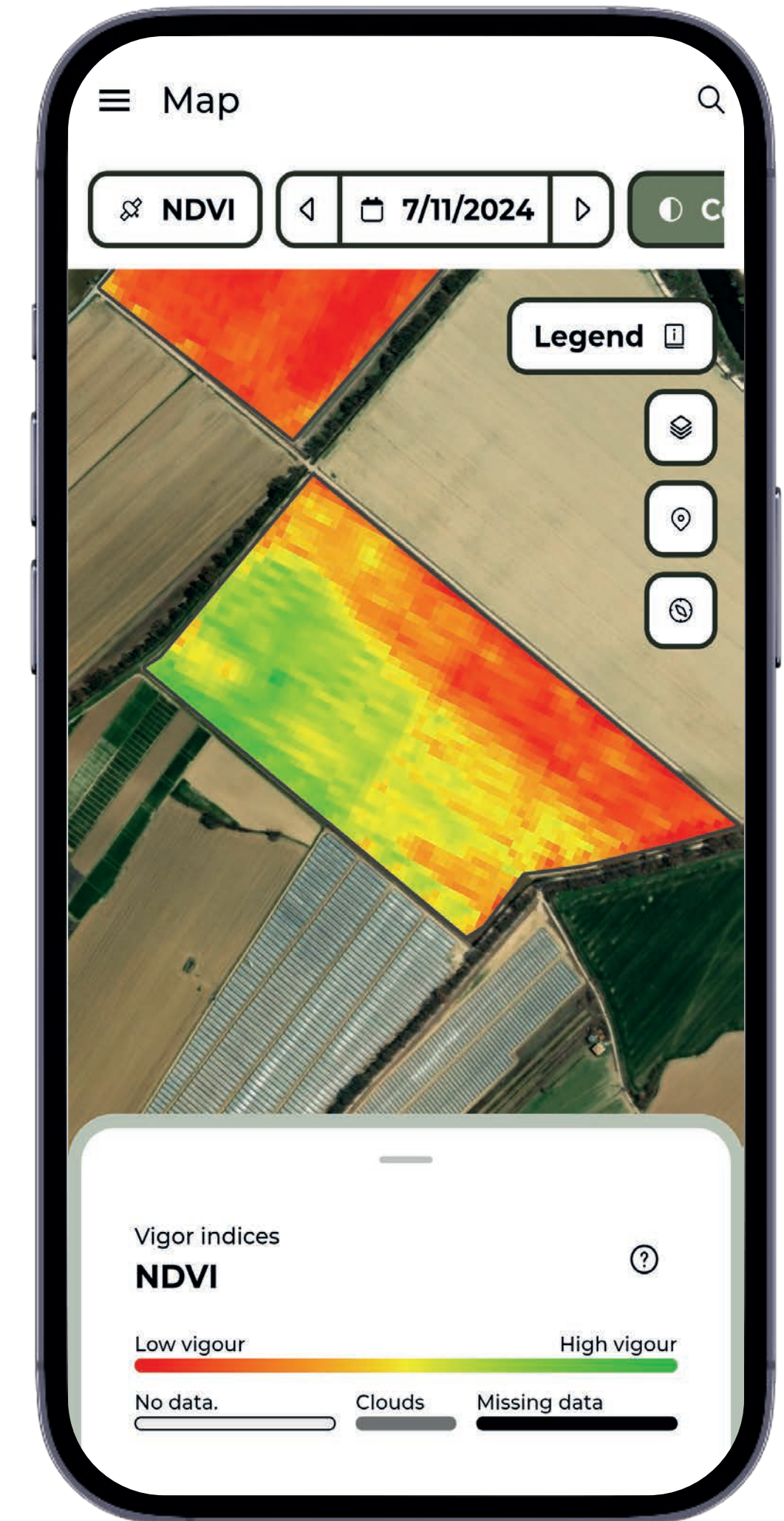
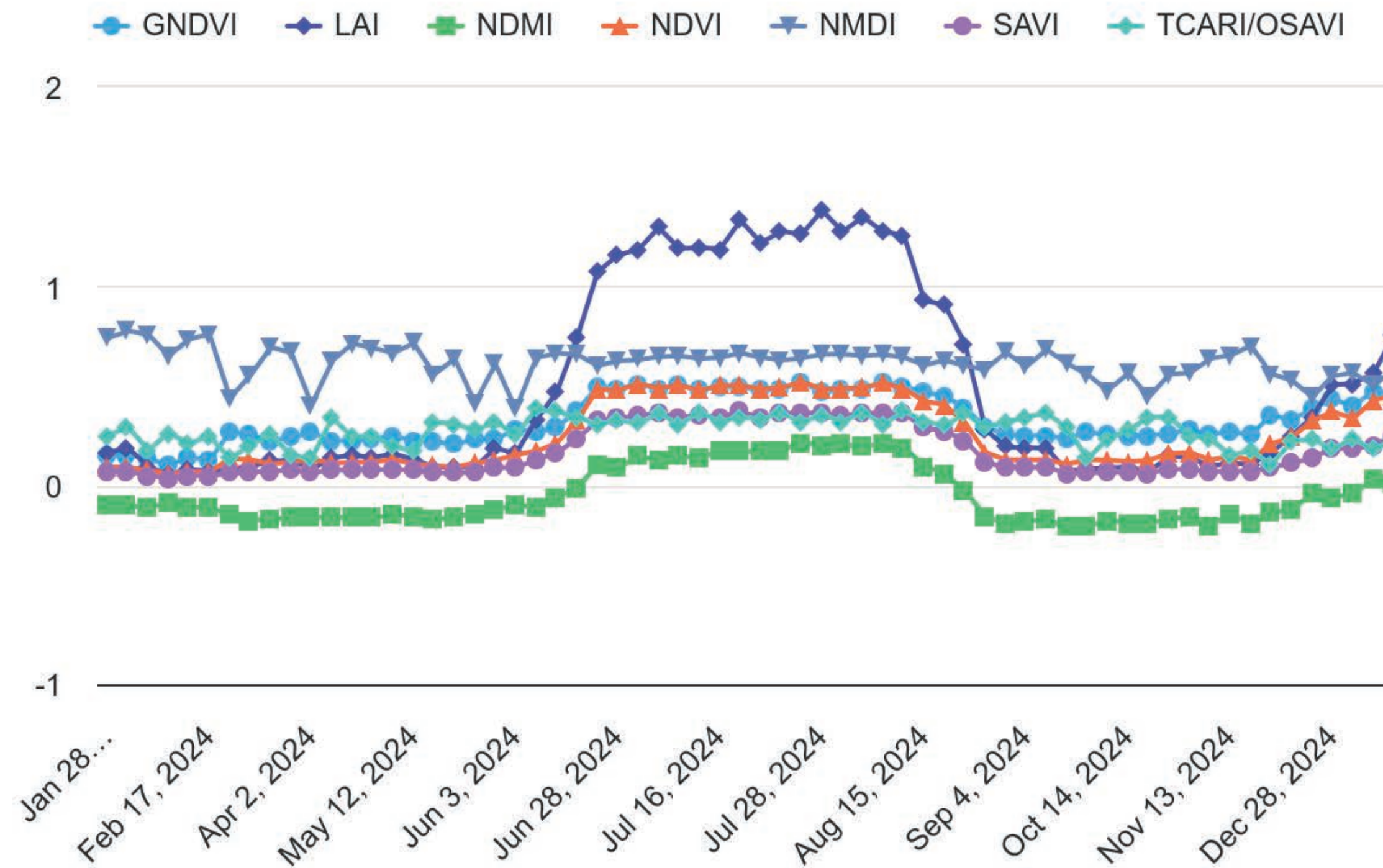
✓ Select





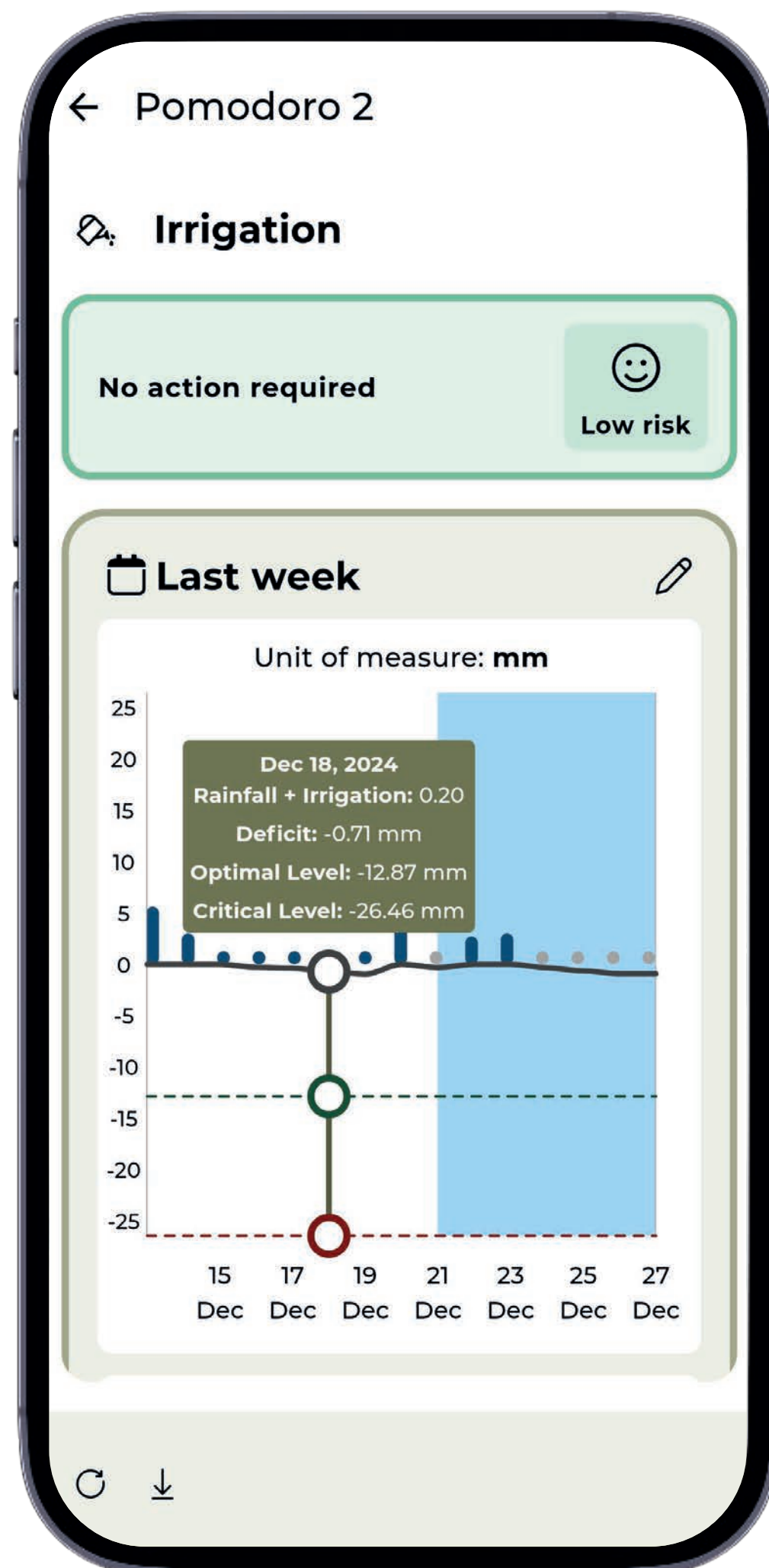
SATELLITE IMAGERY

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.

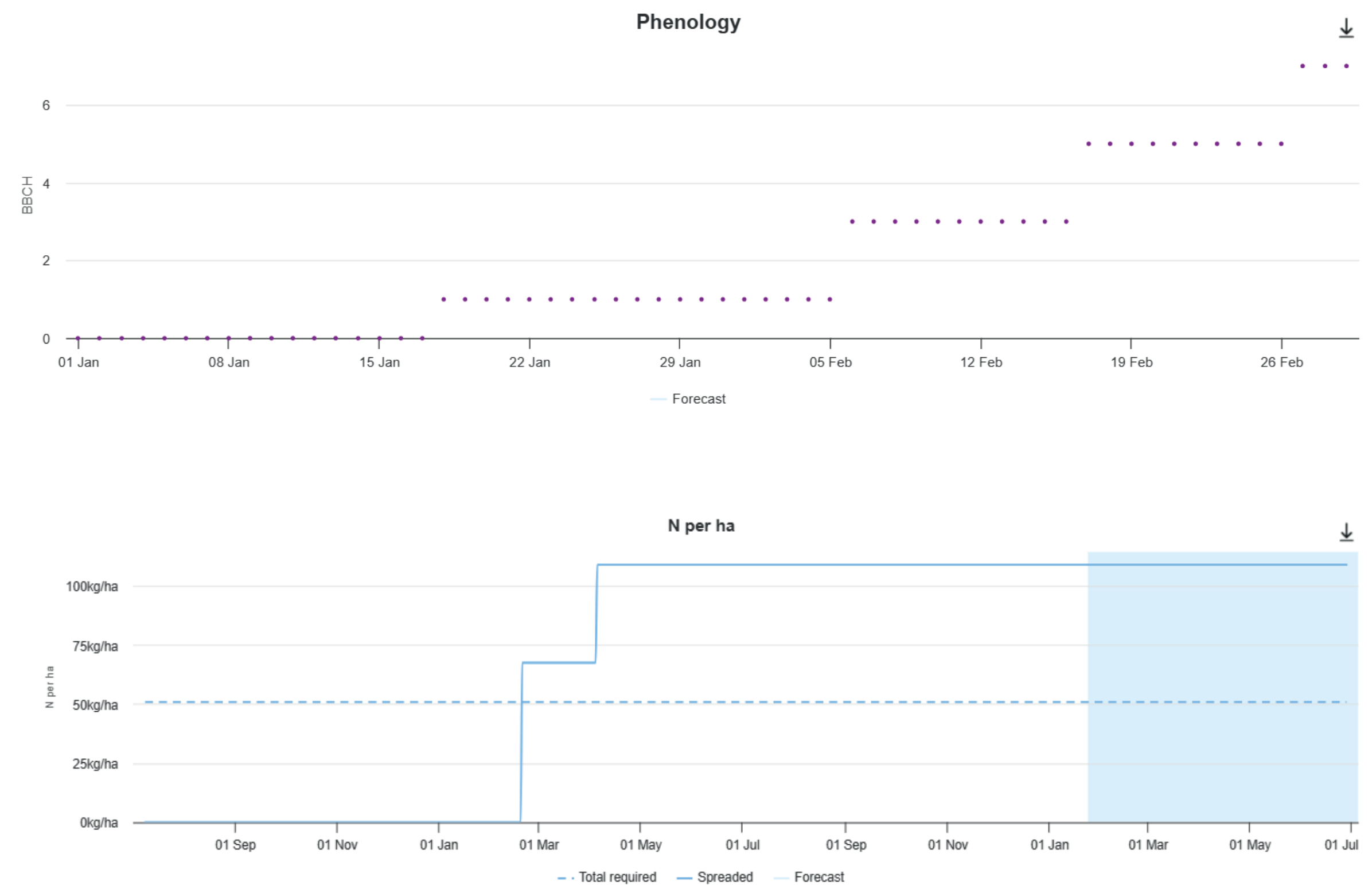




FORECAST MODELS









Monitor **phenology**, **irrigation** and **nutrient requirements** patterns available for all crops and analyze data from DSS.






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

Lot code: J12756



Landing page

<https://web.agricolus.com>



[Visit page](#)



The QR code on the mask will allow easy access to the web page dedicated to the product traceability. In this way, all detailed product information can be consulted with great convenience



PRODUCTION LOTS

Create and assign to each crop its own production lot to improve **traceability** of operations. A **QR code** is also generated that allows you to access and share the dedicated web page where you can consult all the information on the product.

Features

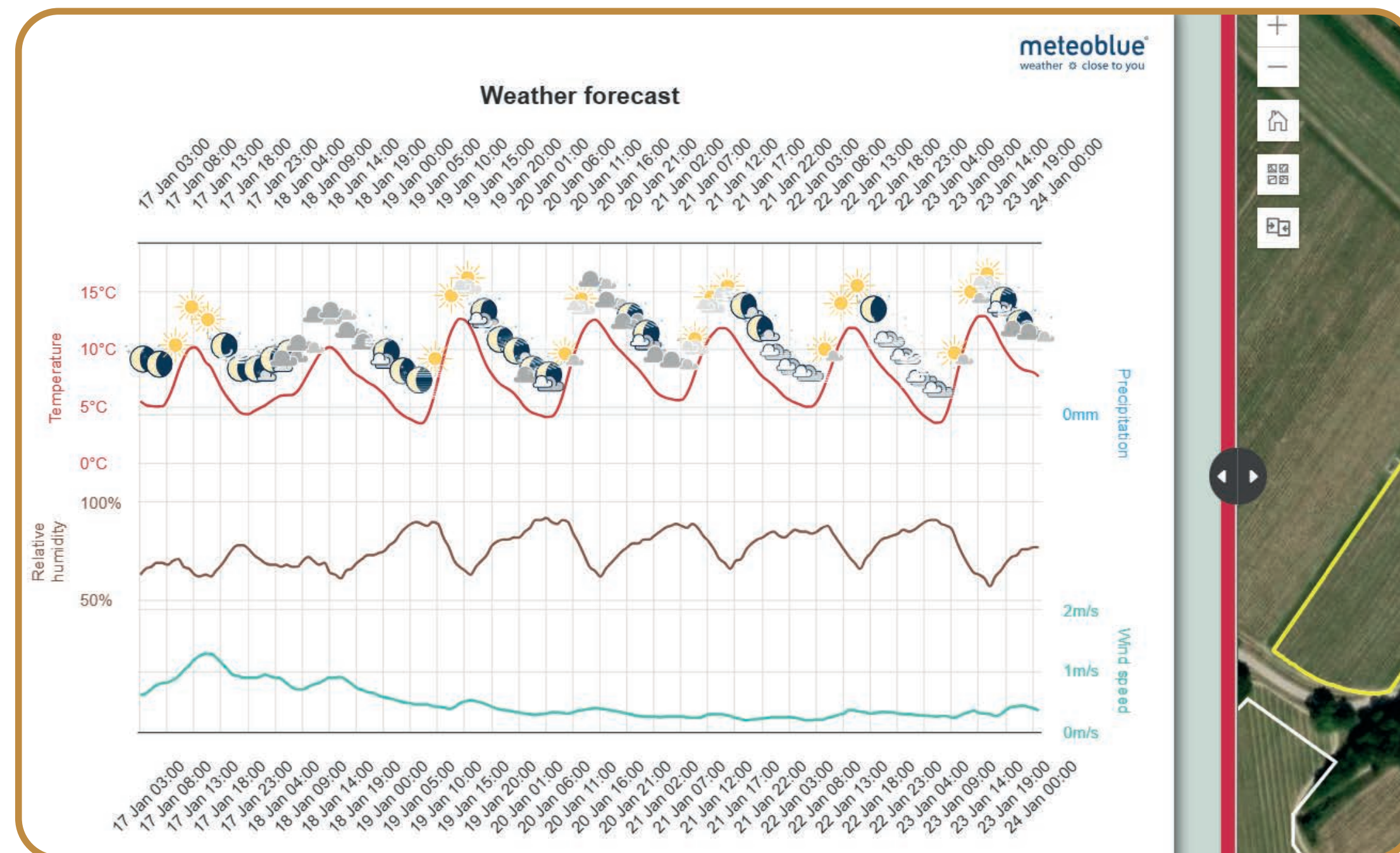


WEATHER



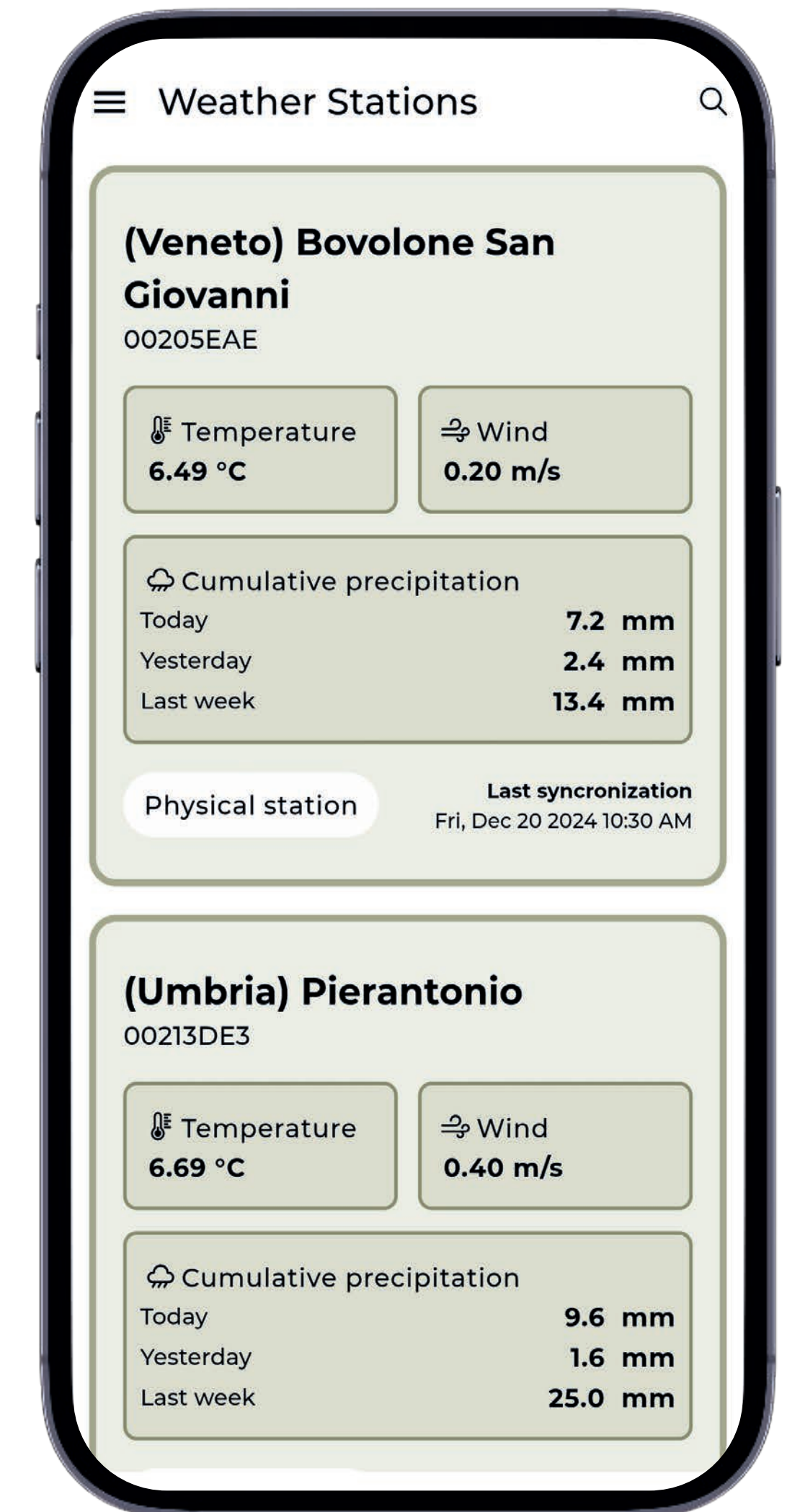
WEATHER FORECASTS

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



WEATHER STATIONS

Virtual weather station included; *physical 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**.



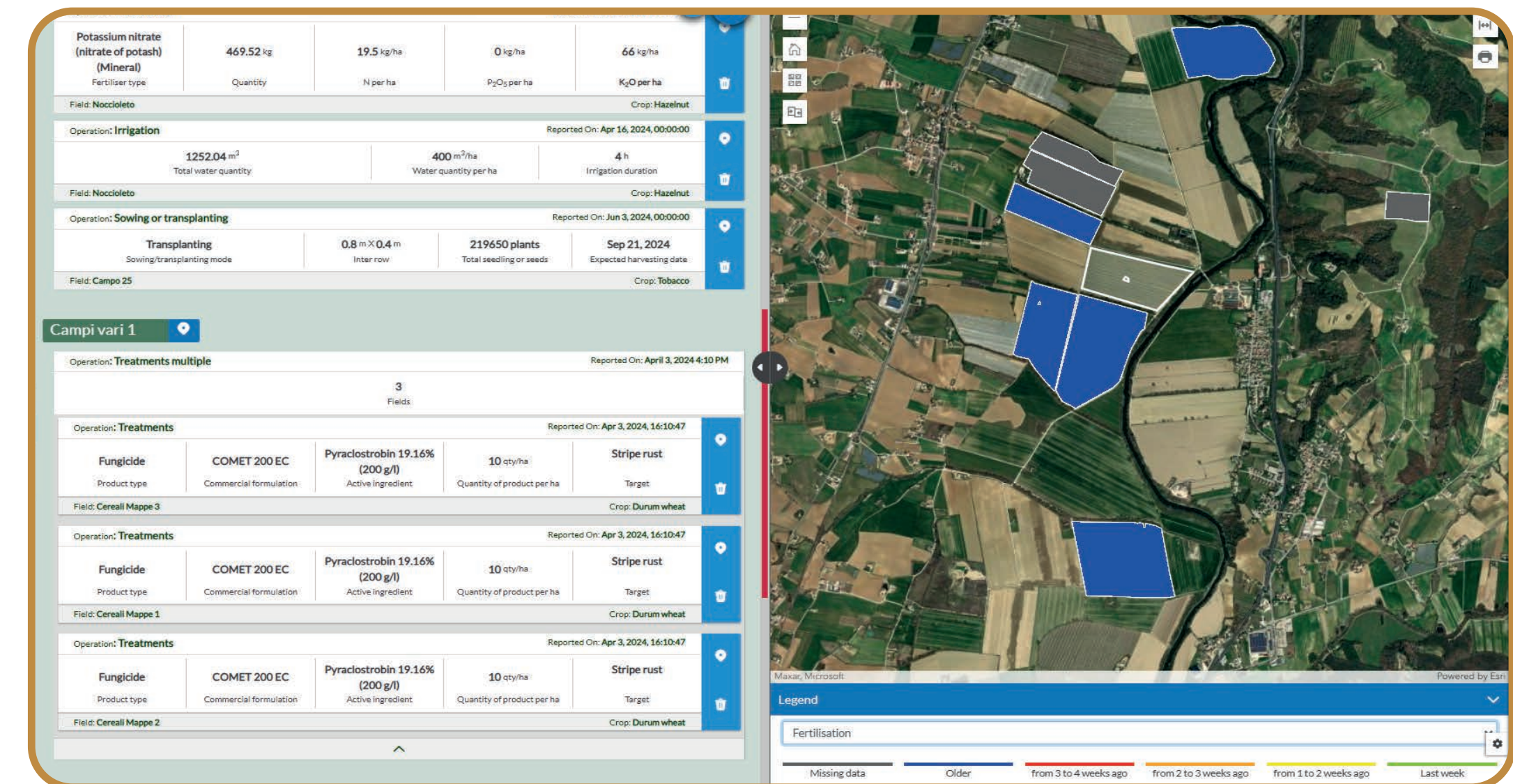
MACHINERY

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



CROP OPERATIONS

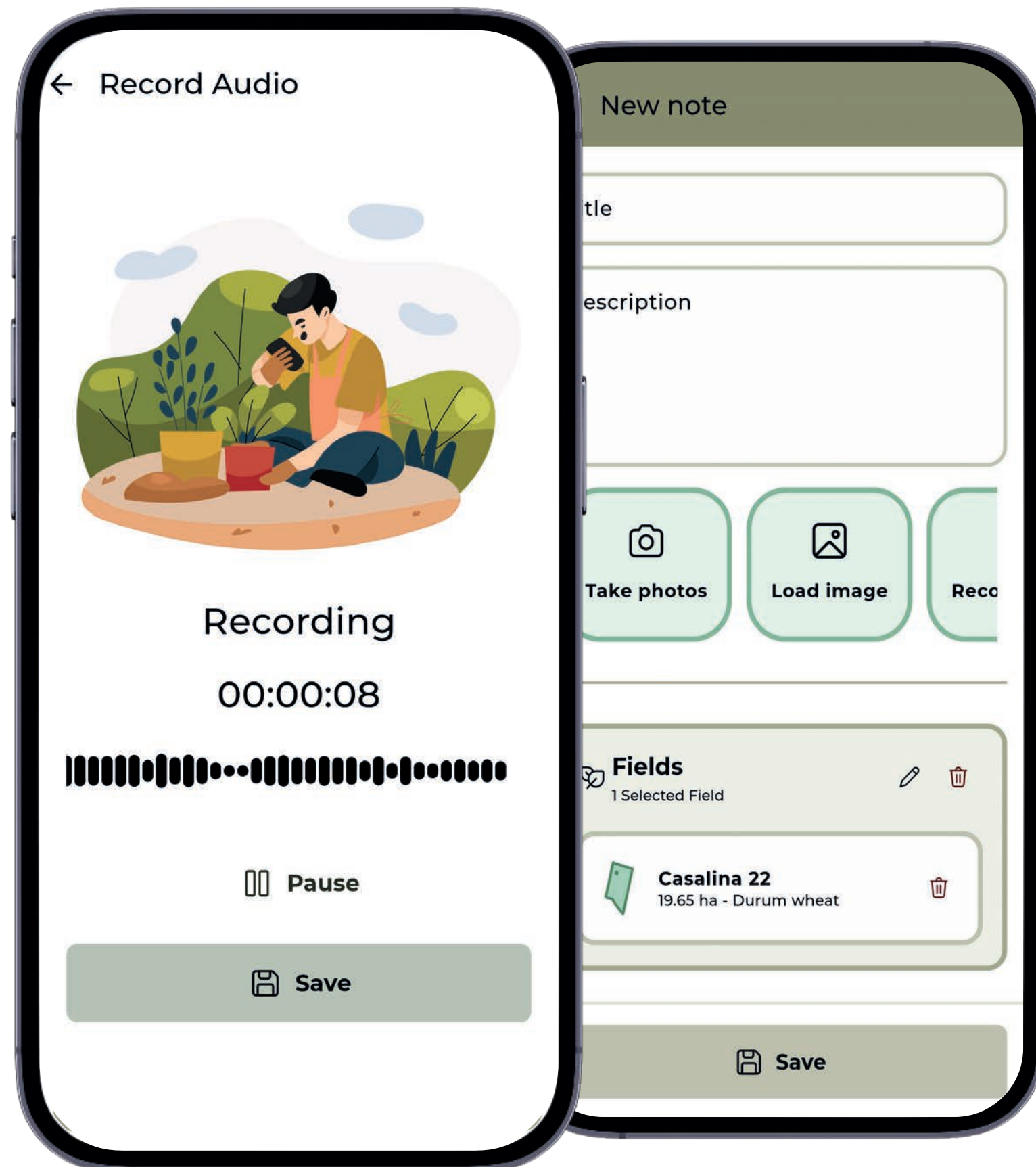
Register where, how and when crop operations such as irrigation, treatments and fertilization have been carried out.





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




DECISION SUPPORT

Provides guidance on the interventions to be carried out based on the data collected.

DEFENSE MODEL ALERTS
FORECAST OF INSECT PESTS AND DISEASES

 No risk <i>Ceratitis</i>	 No risk <i>Heliotis (Helicoverpa armigera)</i>	 High risk Check for the presence of adults in the field <i>Western corn rootworm</i>	 High risk Check for the presence of adults in the field <i>Corn agrotis ipsilon (Agrotis ipsilon)</i>	 No risk <i>European corn borer</i>	 High risk Check for the presence of eggs in the field <i>Tomato moth (Tuta absoluta)</i>
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 The development conditions are partially favorable, evaluate whether to carry out a field treatment
Anthraxis of orange




forecast for the next 12 hours

12 HOUR WEATHER FORECAST





LEGEND OF THE DEGREE OF RISK



No risk No action required <i>Septoria</i>	Attention <i>Yellow Rust</i>
No risk <i>Tomato mildew</i>	


7.47mm
water requirement

ESTIMATION OF IRRIGATION NEEDS FROM THE FORECAST MODEL

(BBCH 0)  Maturation (BBCH83)  Almost all the petals have fallen (BBCH 67)  Maturation (BBCH 0)  Full maturation: caryopsis (BBCH 89) hard and shiny

FIELD REPORTS ENTERED BY THE USER AND INTEGRATED INTO THE PHENOLOGY FORECAST MODEL

Features

The screenshot displays the Agricolus Plus software interface. On the left, there is a control panel with various input fields and a data table. The main area on the right shows a prescription map overlaid on an aerial photograph of a field. The map is color-coded in shades of red, orange, and yellow, representing different fertilizer application zones. A small inset map at the bottom left shows the field's location within a larger geographic context.

Control Panel:

- Timeline: 2023, Apr 26, 2023, May 6, 2023, May 26, 2023, Jun 25, 2023, Jul 10, 2023, Jul 11, 2023
- Fertilizer name: urea
- Nutrient %: 46 %
- Number of Zones (max: 7): 3
- Calculation mode: Average - direct
- Avg nutrient: 115 kg/ha
- Variation from avg: 10 %

Zones	Area	Avg nutrient
Zone -1	3.92 ha	127 kg/ha
Zone 0	5.79 ha	115,45 kg/ha
Zone 1	4.47 ha	103,91 kg/ha
Total fertilizer	3544.01	kg
Total area	14.18	ha
Avg nutrient	115	kg/ha

Map Settings:

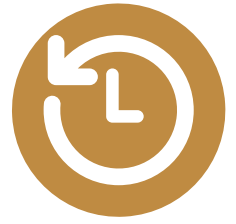
- Use with machinery:
- Choose machinery: Choose machinery
- Download: [Download](#)



PRESCRIPTION MAPS

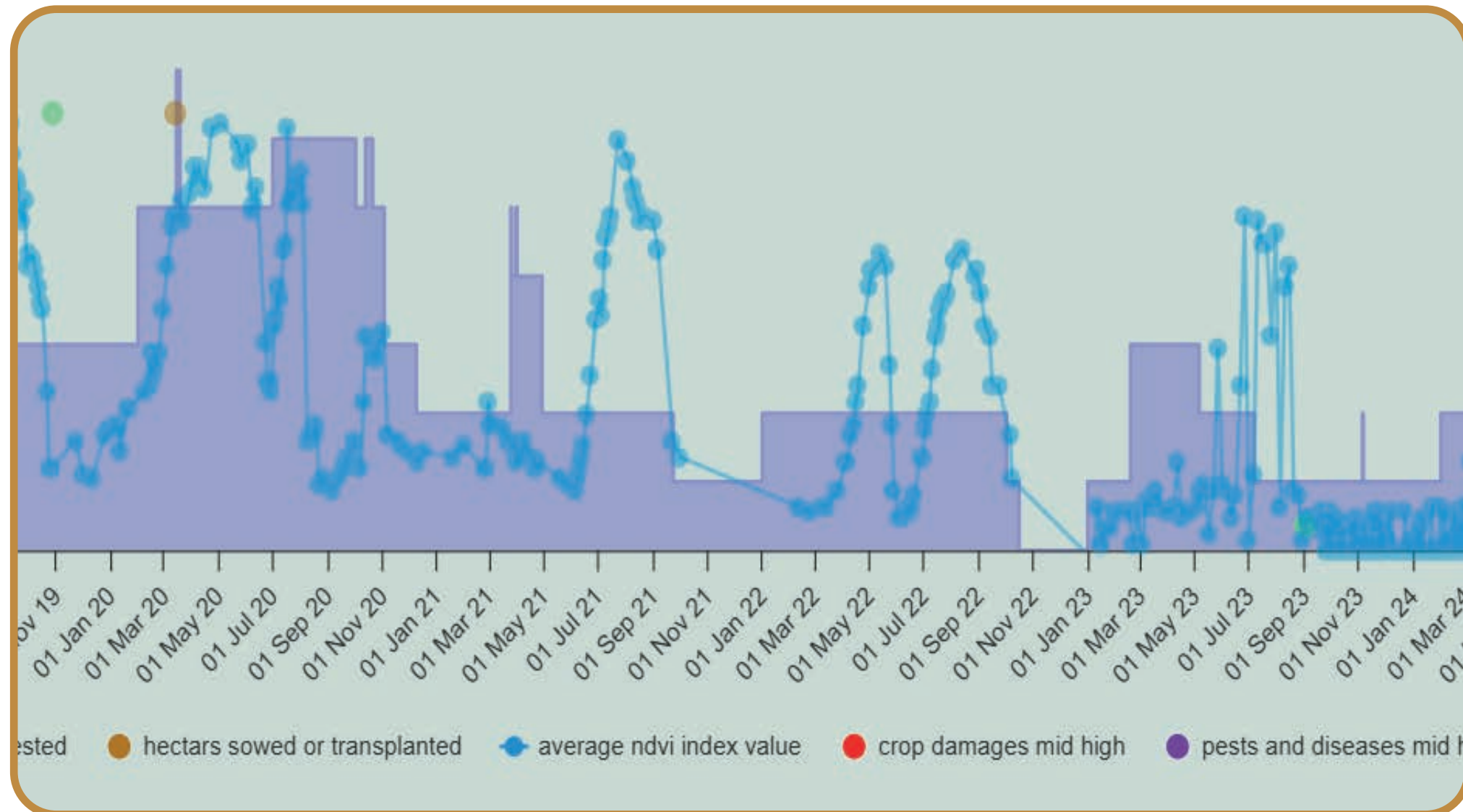
Choose the most suitable vegetation index to draw up the prescription map and carry out a variable rate fertilization.

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												

Additional modules and services



HISTORY OF SATELLITE IMAGES

Processing of satellite images from past years.



WEATHER STATIONS AND TRAPS

Purchase or rental of weather stations and automatic traps within the platform.



SPECIFIC FEATURES

For **olive, vineyards, tobacco, corn, winter cereals, tomato, citrus.**



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