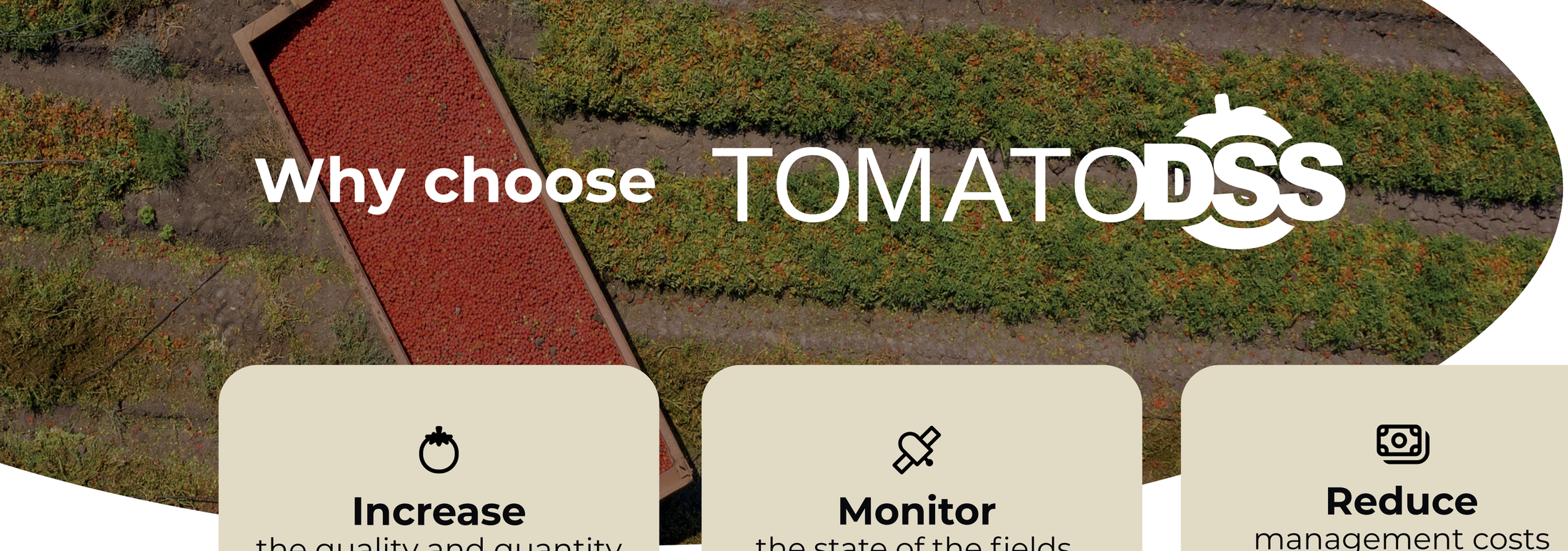

TOMATODSS
Defense and monitoring for tomato



Why choose TOMATODSS

Increase
the quality and quantity of tomato

Monitor
the state of the fields, even remotely

Reduce
management costs

Defend
in advance from pests and diseases

Optimize
the use of inputs (water, treatments, fertilizers)

Features

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

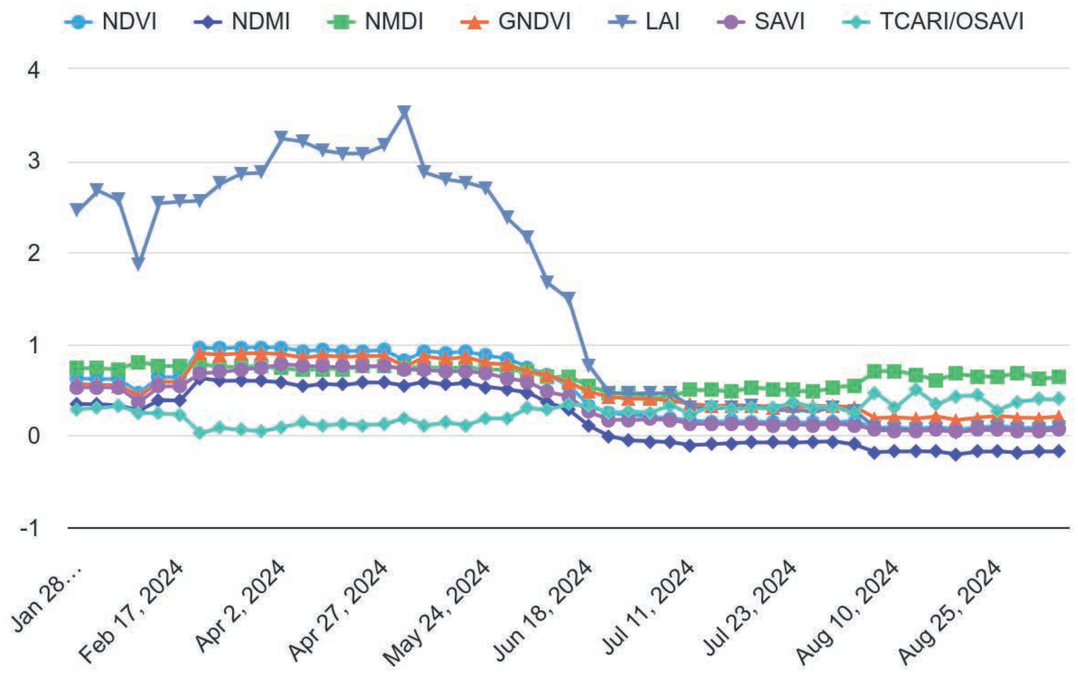
Upload a .shp or .kmz file..

✓ Select

Features

SATELLITE IMAGERY

Consult Sentinel-2 satellite images of the field with vigor, water stress and chlorophyll indices to assess crop health and plan monitoring activities.



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Features

WORK

TASK MANAGEMENT

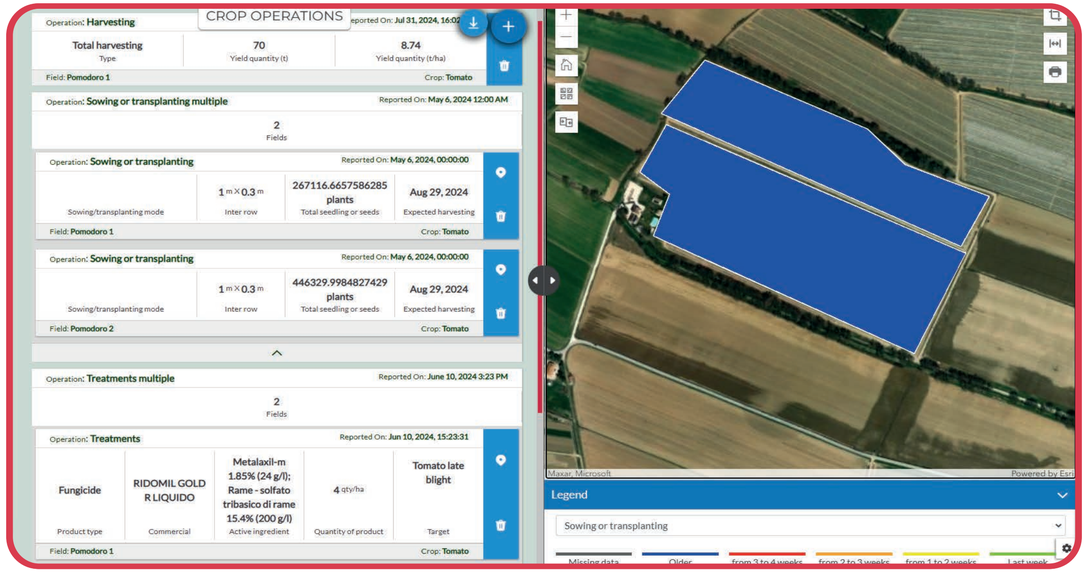
Create and assign to your collaborators the activities to be carried out in the farm **in real time**.

CROP OPERATIONS

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

MACHINARY

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



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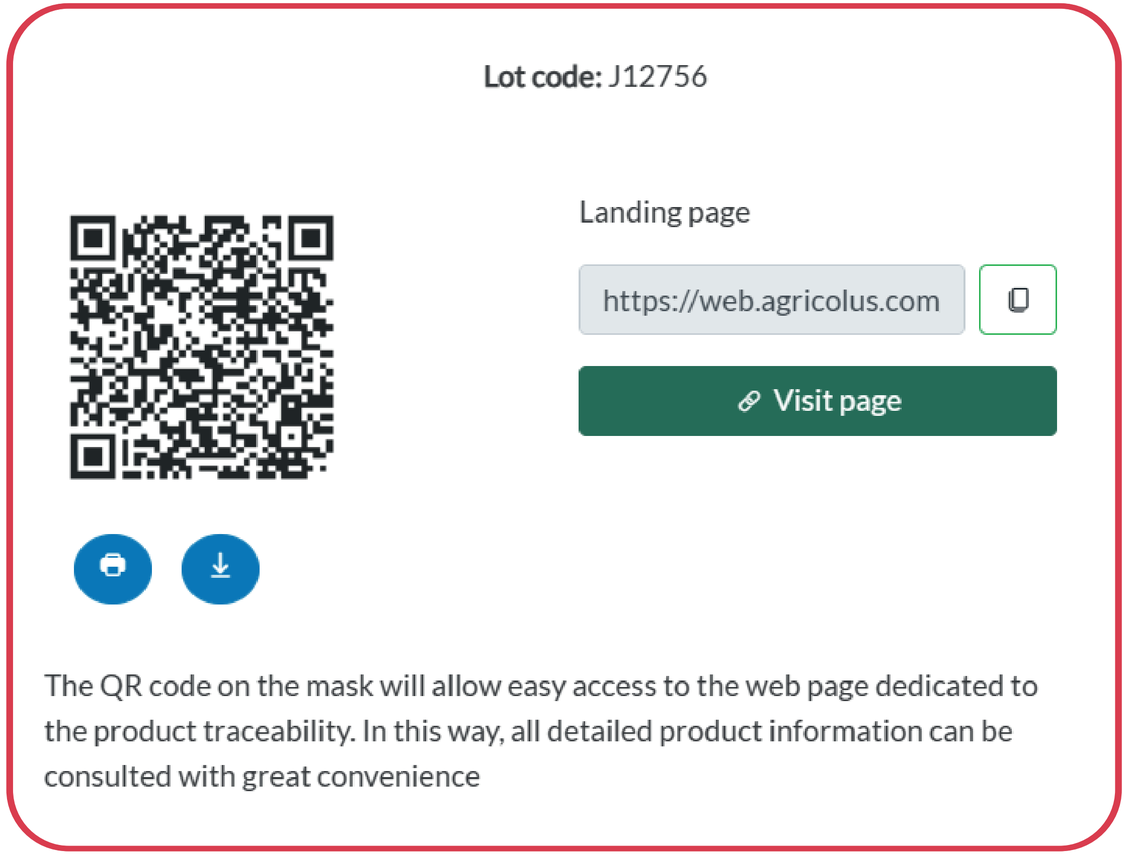

PRODUCTION LOTS

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.

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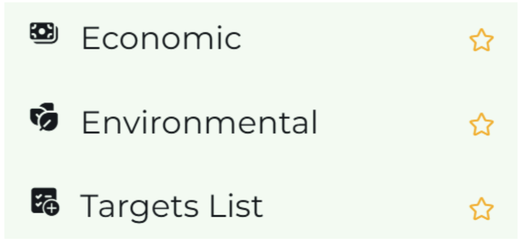
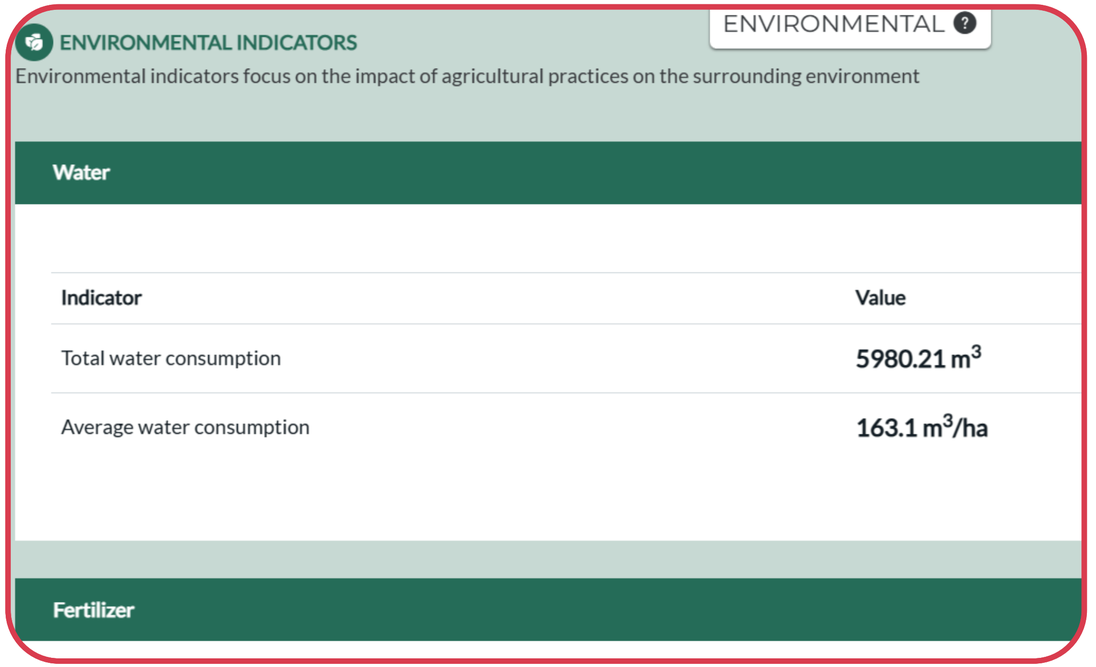
Features

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.





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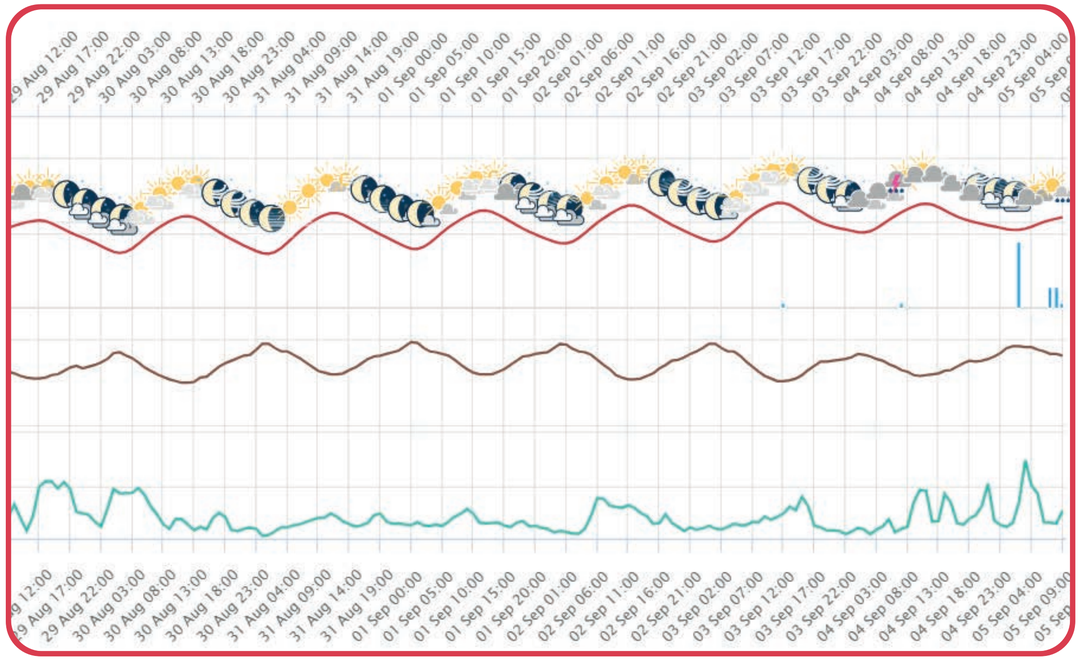
WEATHER

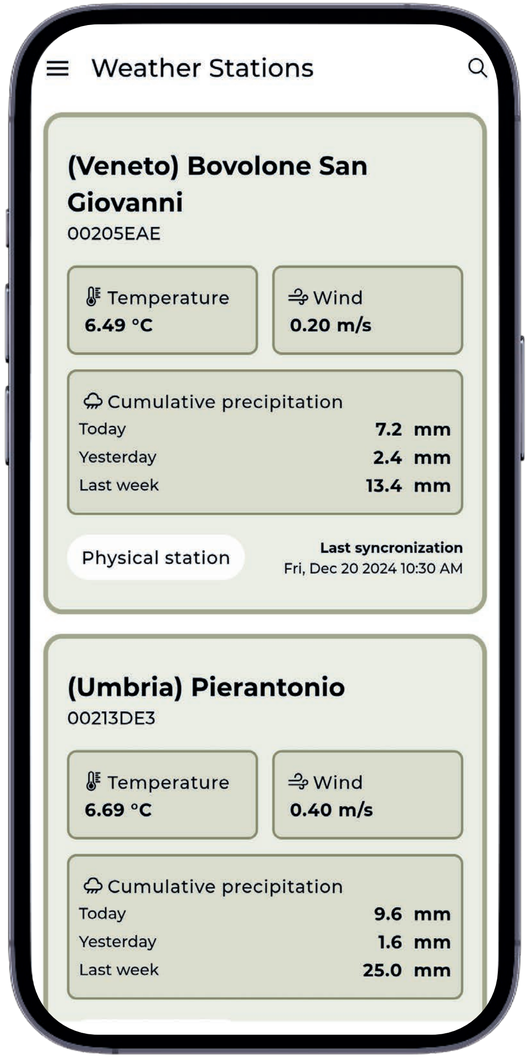
WEATHER FORECASTS

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



WEATHER STATIONS

Virtual weather station includedt; *physical weather stations and sensors can be purchased or integrated, if already present in the company.



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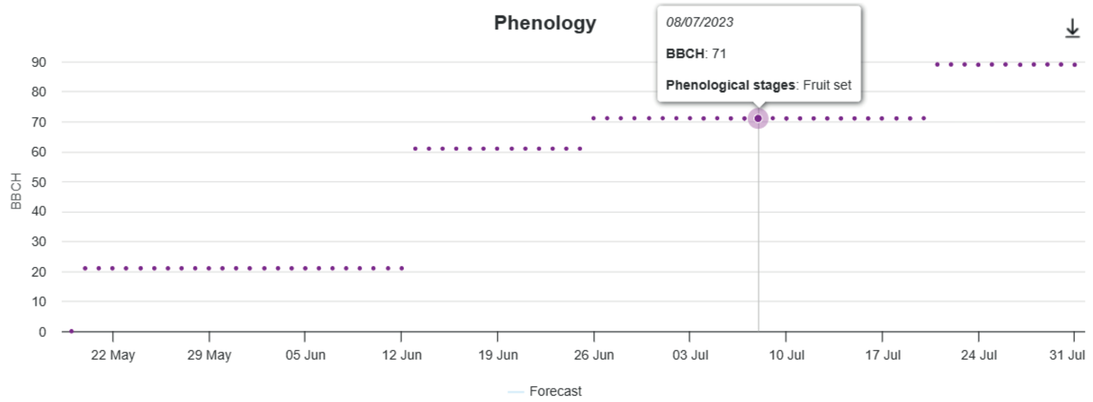
Features

FORECAST MODELS

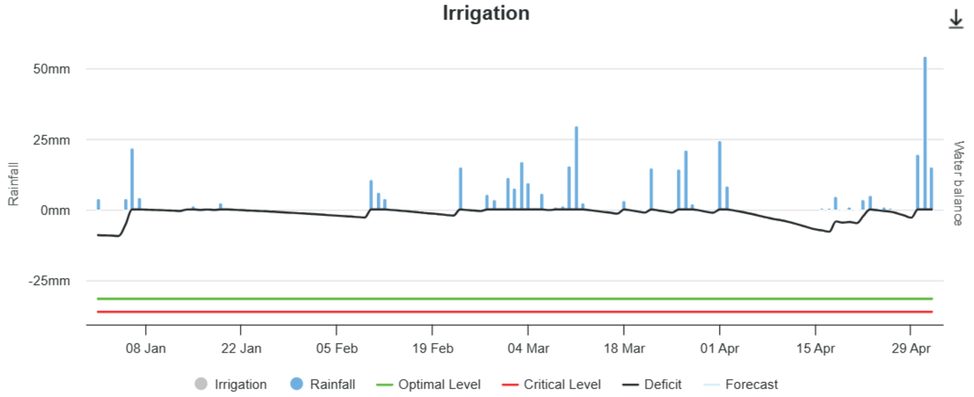
PHENOLOGY

Prediction of phenology to assess field needs in each development stage.



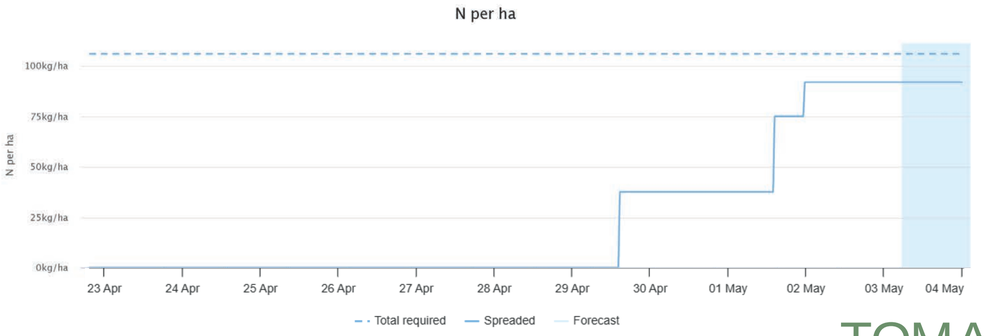
IRRIGATION

Evaluation of water requirements to carry out irrigation when necessary with the right amount of water.



FERTILIZATION

Calculation of the total requirement of nitrogen, phosphorus and potassium (Kg/ha) required throughout the production cycle.



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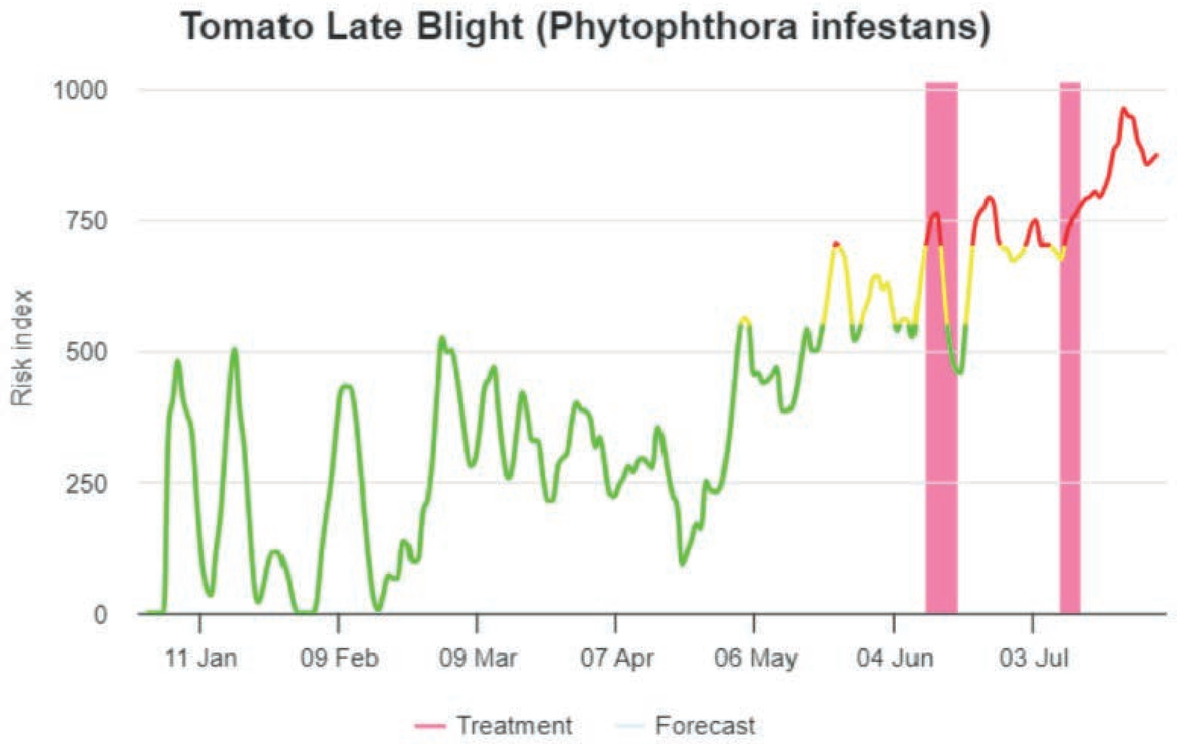
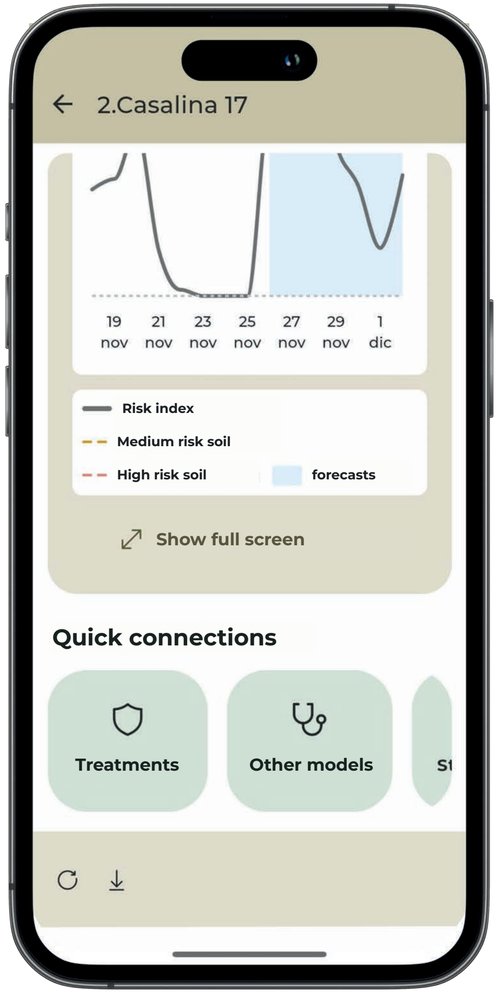
PESTS AND DISEASES MODEL

Prediction of the risk of phytopathies (**Tomato Downy mildew**) and pests (**Tuta absoluta** and **Helicoverpa armigera**) in order to carry out an effective defense.





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DECISION SUPPORT

Provides information on the interventions to be carried out on the basis of the data collected.

ALERTS FOR DEFENSE MODELS OF TOMATO

FORECAST OF PESTS, DISEASES AND INSECTS

No risk

Check for the presence of adults

Helicoverpa armigera

100% Presence

18.00% Intensity of damage

Insect

0% Presence

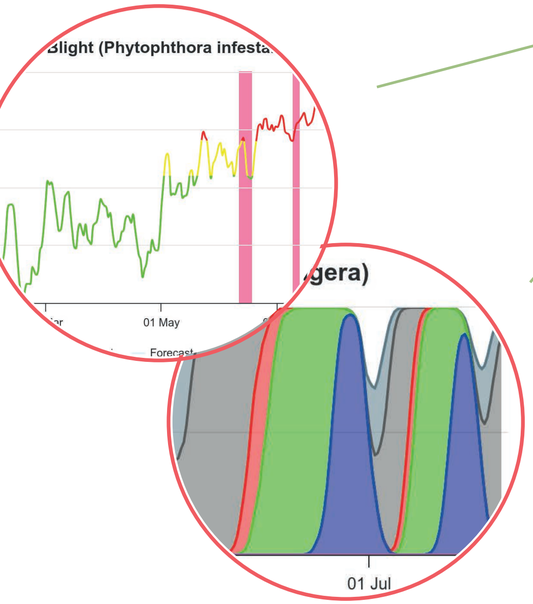
55.00% Intensity of damage

Fungus

100% Presence

57.00% Intensity of damage

Bacterium



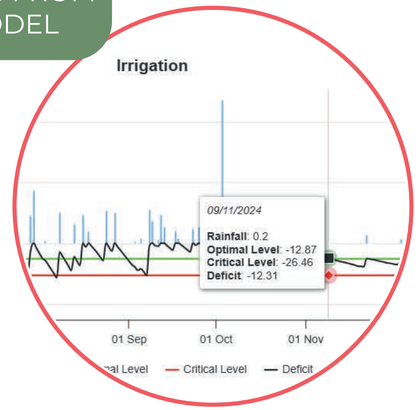
12 HOUR WEATHER FORECAST

forecast for the next 12 hours

ESTIMATION OF IRRIGATION NEEDS FROM THE FORECAST MODEL

28.01 mm

water requirement



RISK LEVEL LEGEND

Fruit set (BBCH 71)

FIELD SURVEYS ENTERED BY THE USER AND INTEGRATED INTO THE PHENOLOGY FORECASTING MODEL

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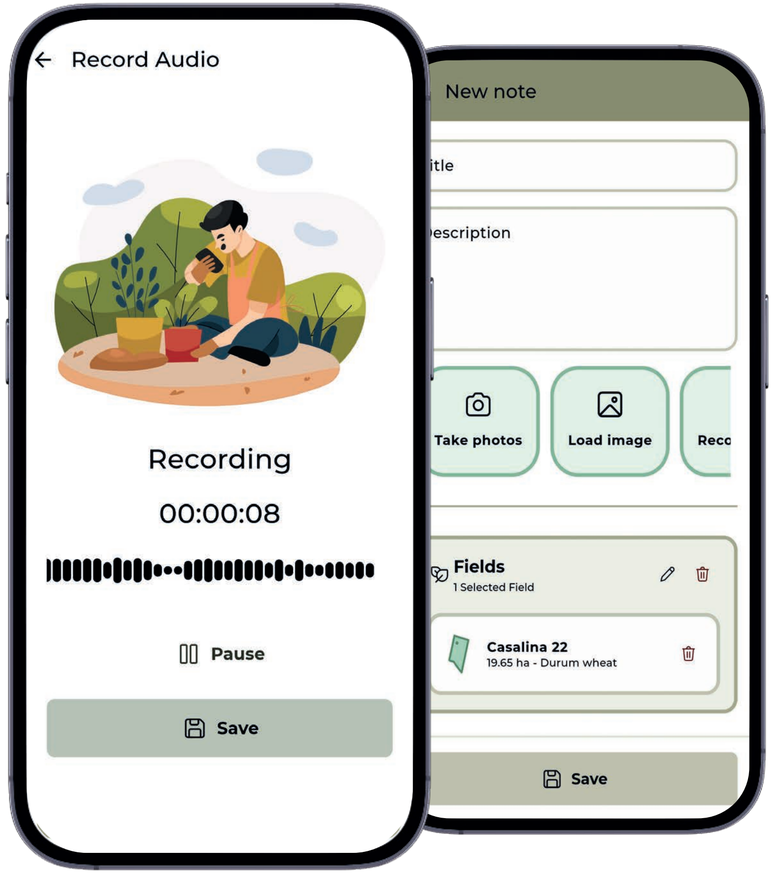
CROP SCOUTING

Geolocate and register into the platform the field activities with **Agricolus's App**: phenology, pests and diseases, traps and captures, crop damage, soil analysis and issues.



- ISSSUES
- CROP DAMAGES
- TRAPS
- CATCHES
- PHENOLOGY
- PESTS AND DISEASES
- SOIL ANALYSIS

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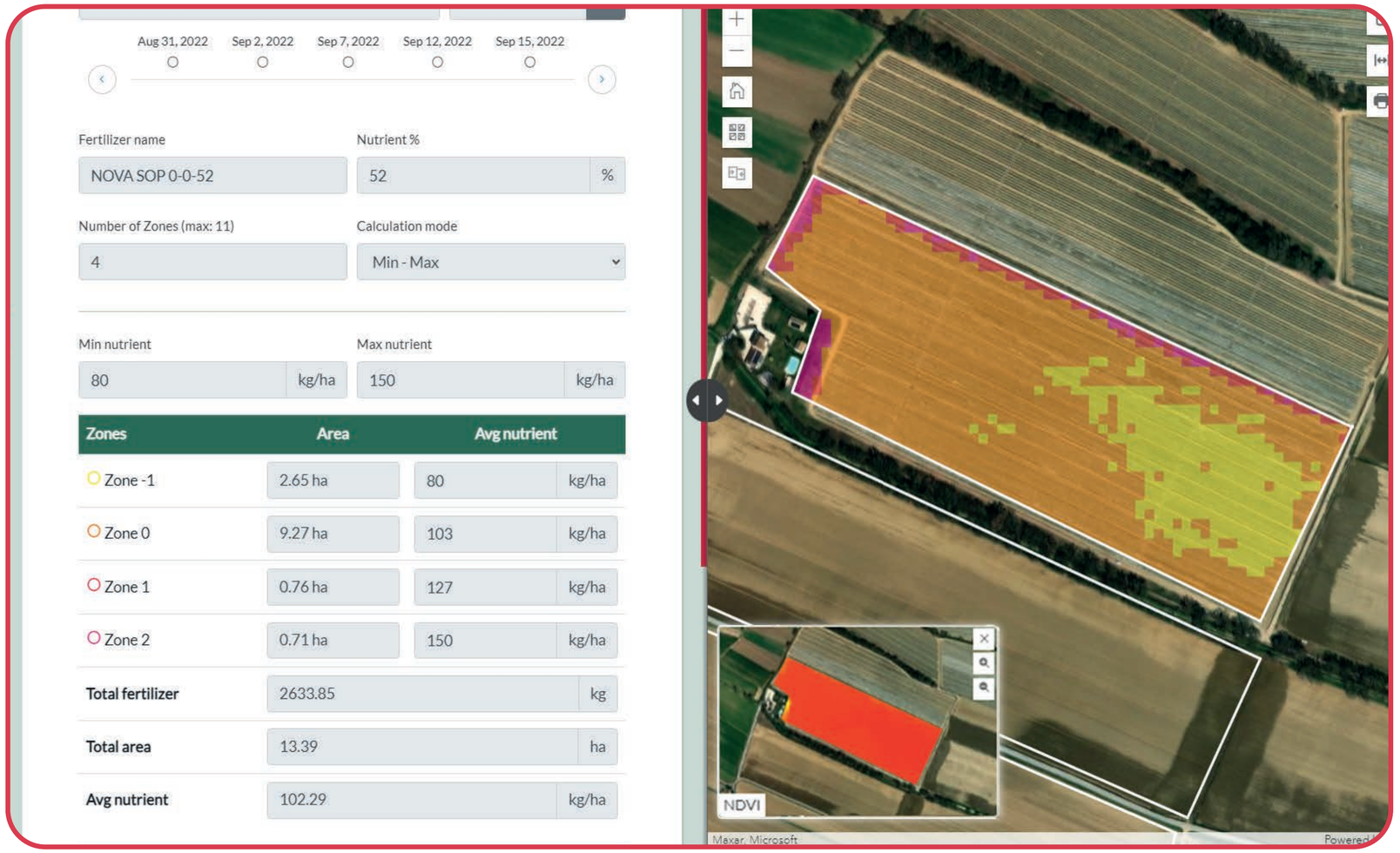

PRESCRIPTION MAPS

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

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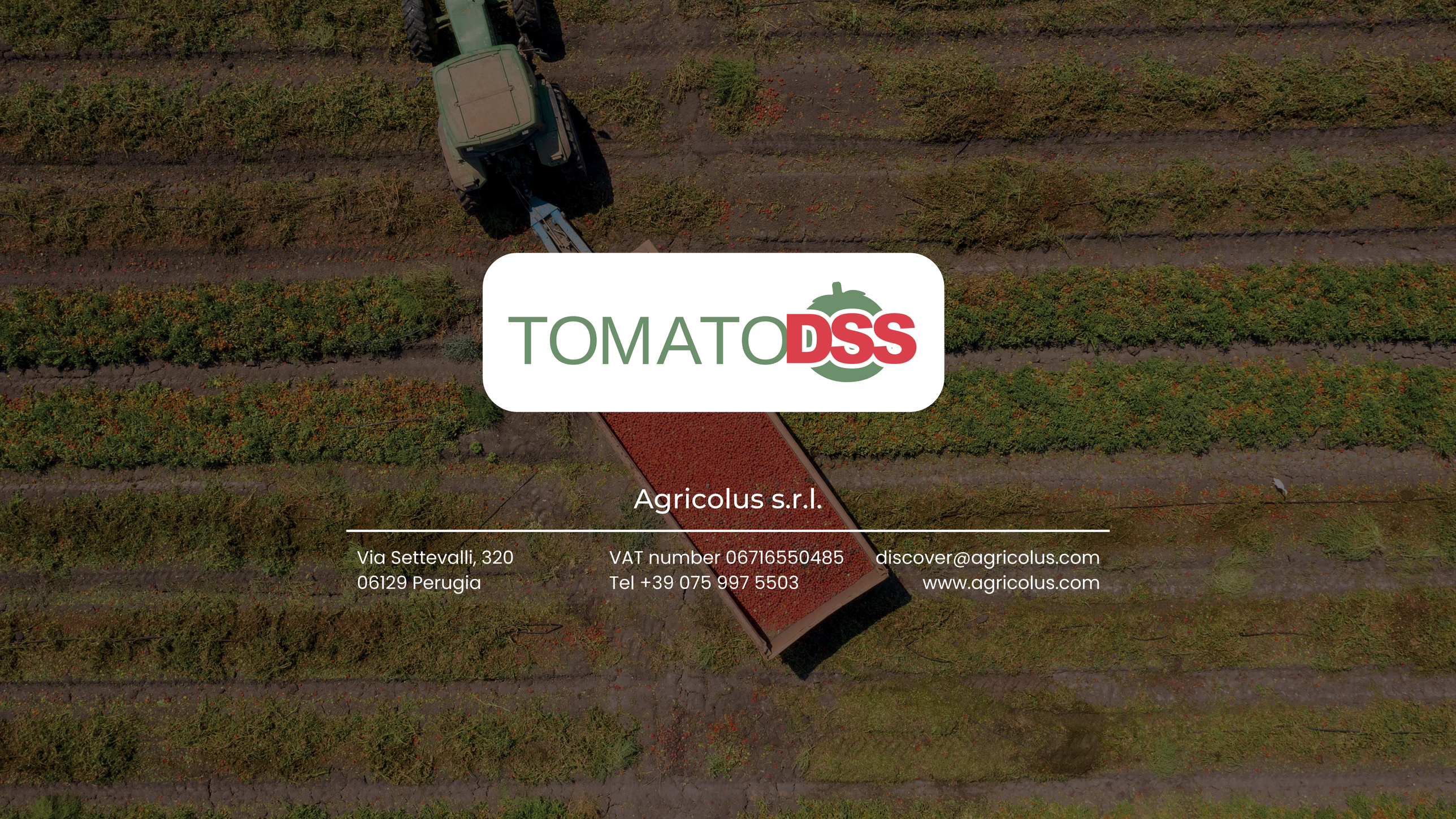

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