



Increase yield and quality of barley and wheat

Reduce management cost

Agronomic monitoring of CEREALS WINTER



PRESCRIPTION MAPS



SATELLITE IMAGERY



Prevent the onset of Fusarium wilt



Monitor crops health, even remotely

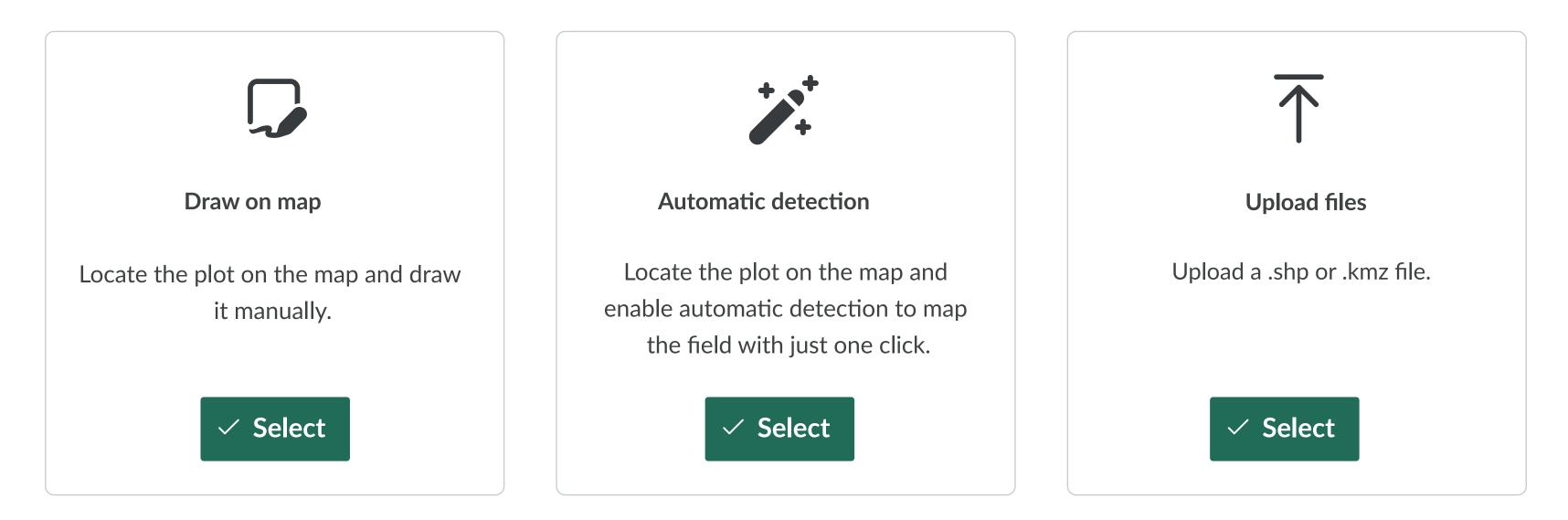






#### FIELD MAPPING

#### 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.



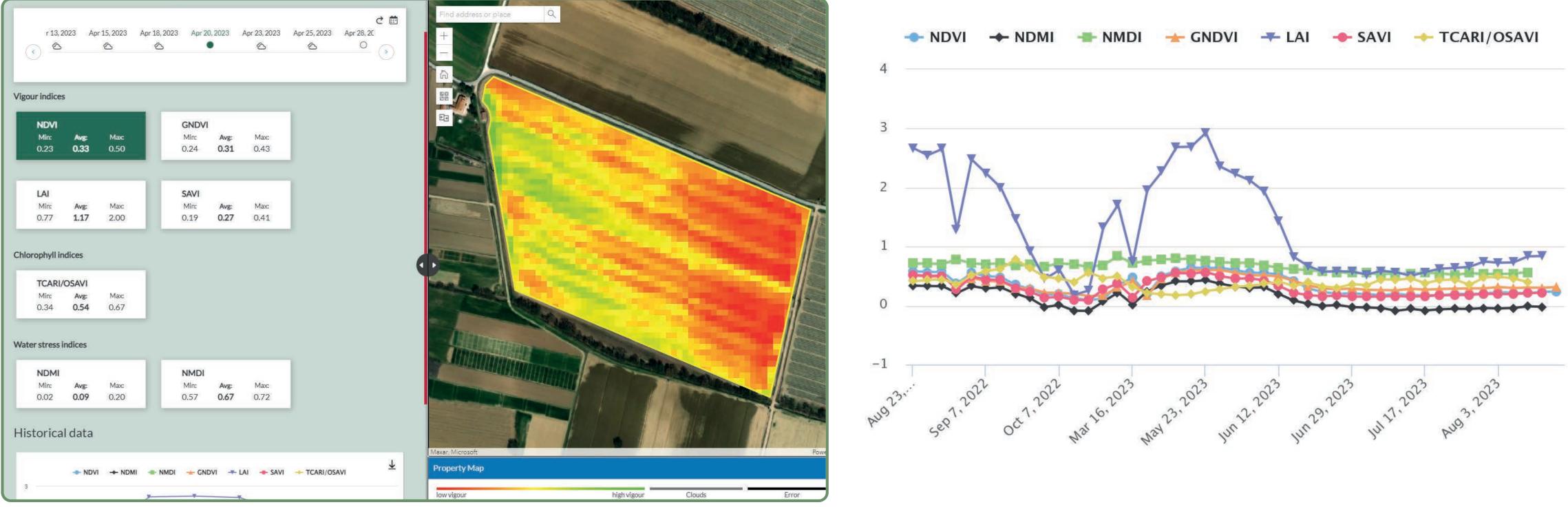






#### SATELLITE IMAGERY

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









#### PHENOLOGY

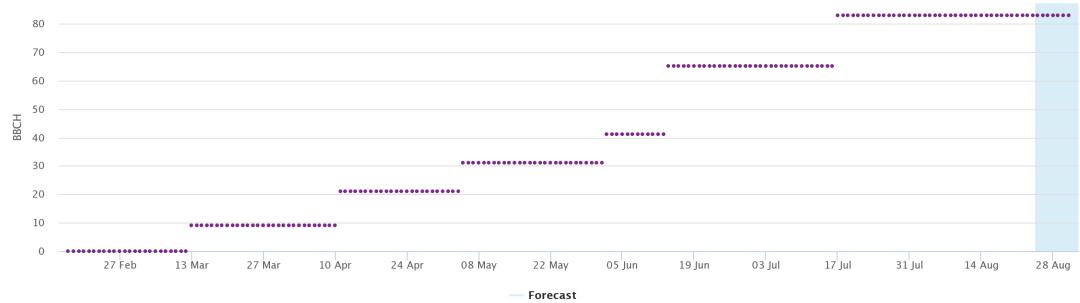
Prediction of phenology to assess field needs in each development stage.

#### **A** IRRIGATION

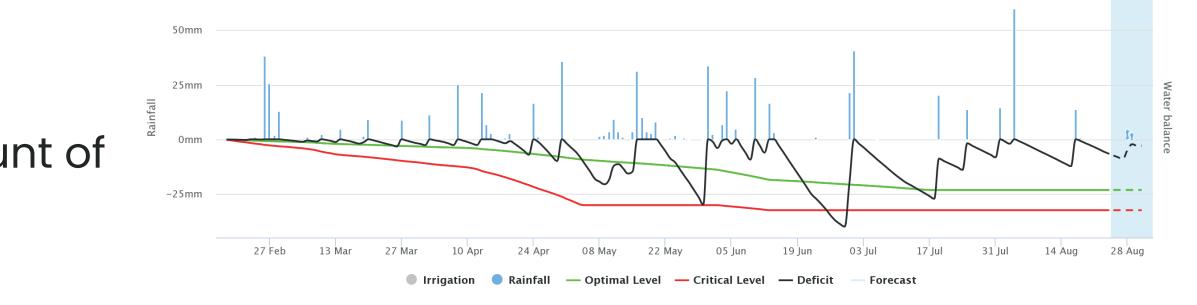
Evaluation of water requirements to carry out irrigation when necessary with the right amount of water.

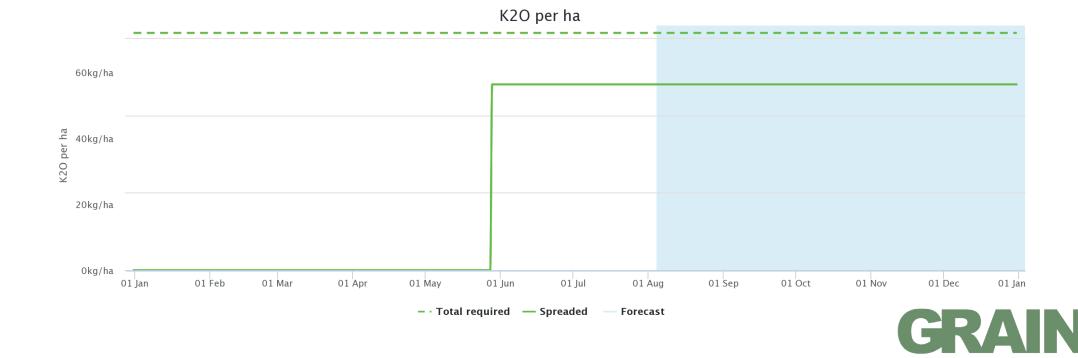
#### **FERTILIZATION**

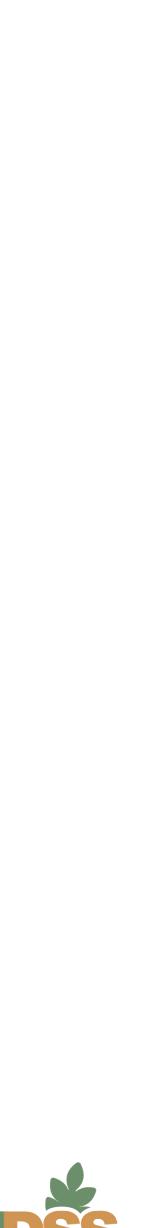
Calculation of the total nitrogen, phosphorus and potassium needs (Kg/ha) required by the crop in order to obtain important suggestions on the doses of fertilizer to be applied. Phenology



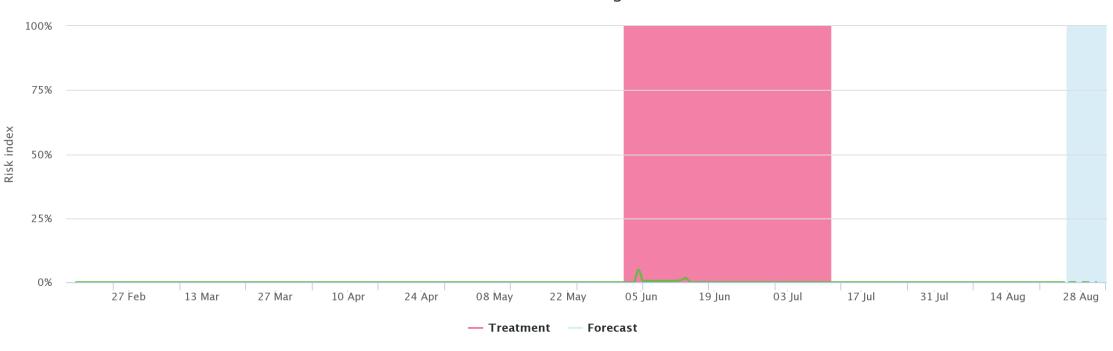
Irrigation









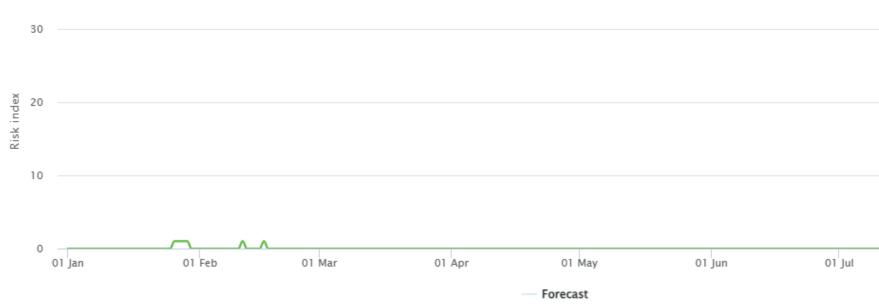


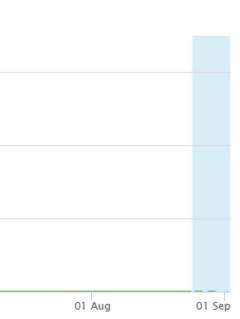
Fusarium head blight

Septoria leaf blotch



Yellow Rust







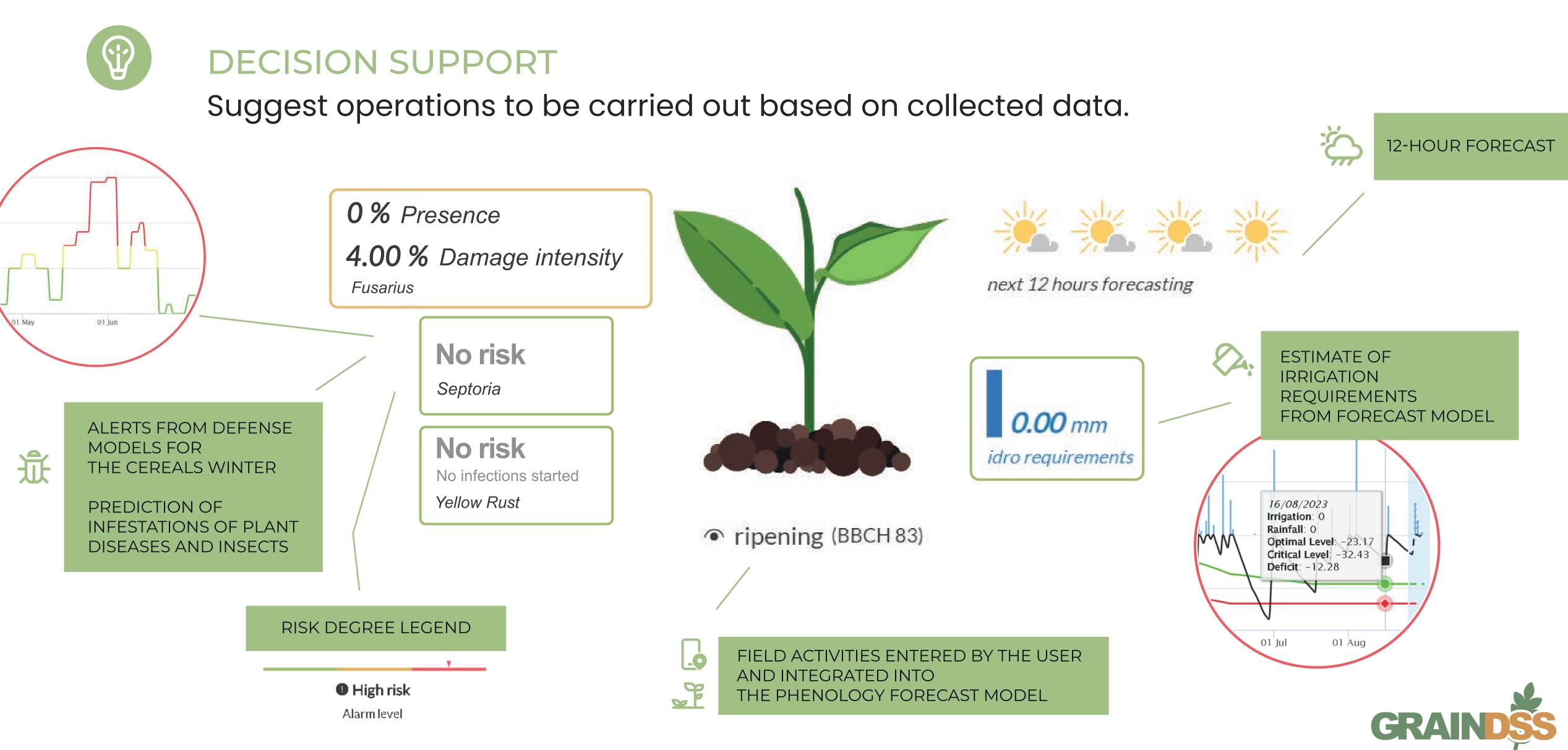
### PHYTOPATIES MODEL

Prediction of **Fusarium**, **Septoria sacc.**, **Puccinia striiformis** development to estimate the probability of daily spread of the fungus and take timely action. The defense forecast models interact with the registered treatments.



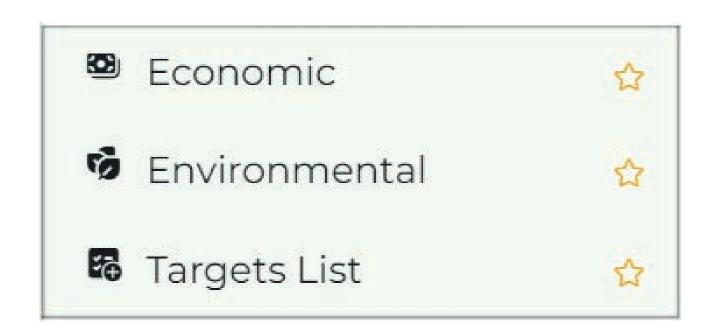












#### Monitor the economic (yield, production) and environmental (water consumption, input control and farm biodiversity) sustainability indicators of your farm. You can set the level to be reached for each indicator and monitor how the work is going.

ENVIRONMENTAL INDICATORS	ENVIRONMENTAL ?			
ironmental indicators focus on the impact	of agricultural practices on the surr	ounding environm	ent	
Water				
Indicator	Value	Target	Status	
	20000000	Less than	0	
Total water consumption	20899.38 m <sup>3</sup>	459781.50m <sup>3</sup>	$\odot$	$\sim$
	710150 30	Less than	0	
Average water consumption	7404.53 m <sup>3</sup> /ha	7500.00m <sup>3</sup> /ha	$\odot$	$\checkmark$
Water use efficiency	0 m <sup>3</sup> /t			
	Ulli / C			





#### FEATURES

Field	Imagery index				
Casalina 20		~	NDVI	×	
22 Sep 25 Sep 0 0	27 Sep O		Oct 15 Oct 0 •	- •	
Fertilizer name		Nutrient%			
Urea		46 %			
Number of Zones (max: 6)		Calculation mode			
3		Average - dire	ct	~	
				5	
Avg nutrient		Variation from avg			
120	kg/ha	20		%	
Zones	Area	6/	Avg nutrient		
Zone -1	4.83 ha	145,	79	kg/ha	
Cone 0	7.77 ha	121,	121,49 kg/l		
Zone 1	5.97 ha	97,1	97,19 kg/ha		
Total fertilizer	4843.22			kg	
Total area	18.57			ha	
Avg nutrient	120			kg/ha	
Choose machinery		Choose mach	nery 🗸	Download	





#### **PRESCRIPTION MAPS**

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











#### WORK



#### TASK MANAGEMENT

Create and assign tasks to be done in the farms to your collaborator in real time.



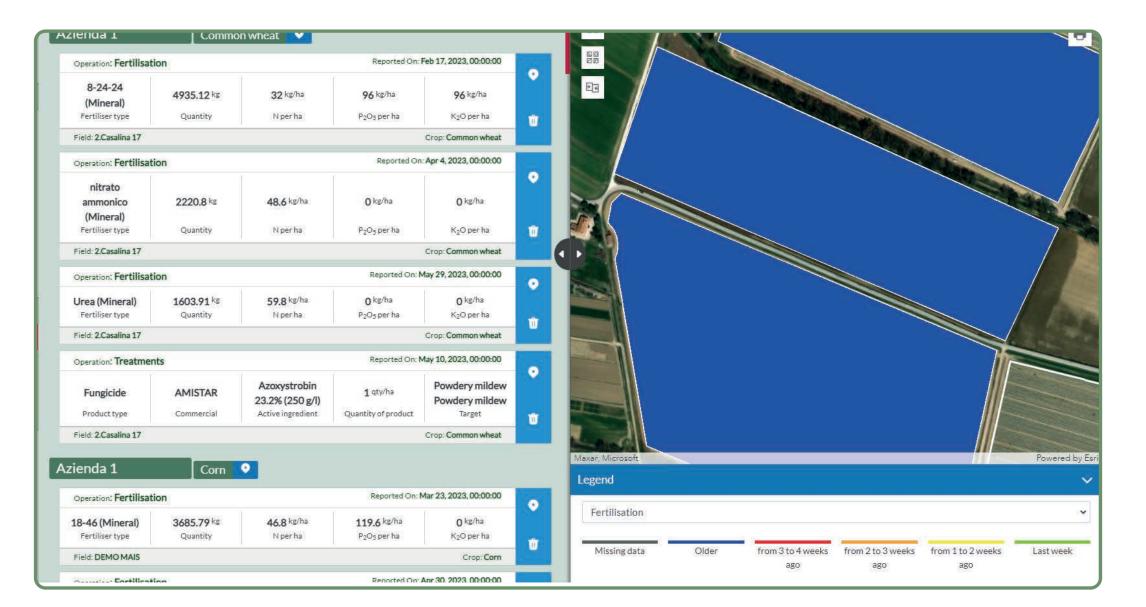
#### MACHINERY

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

#### **CROP OPERATIONS**

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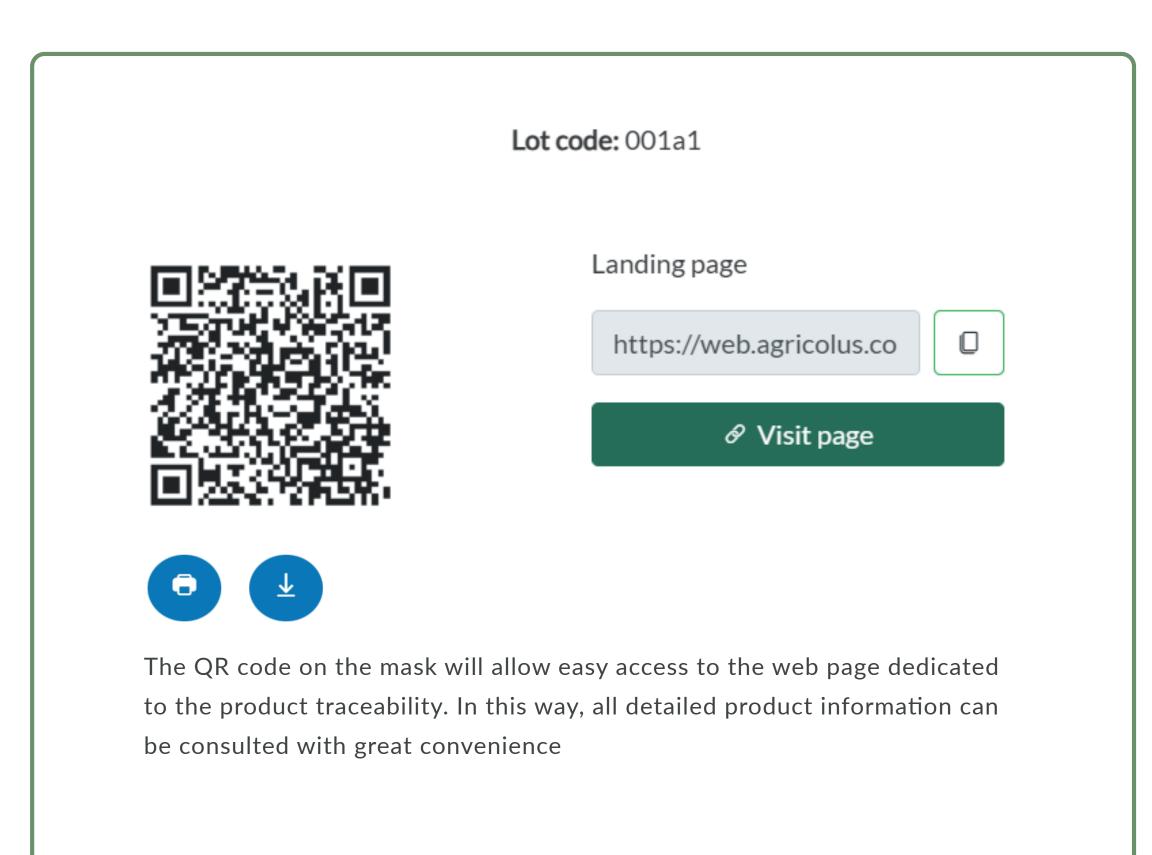
Register where, how and when crop operations (treatments, fertilization, pruning, harvest) have been carried out. You can also access phytosanitary products database.





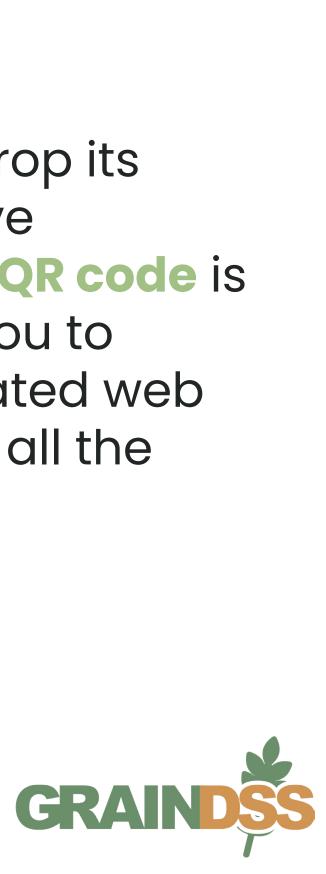






# PRODUCTION LOTS

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.

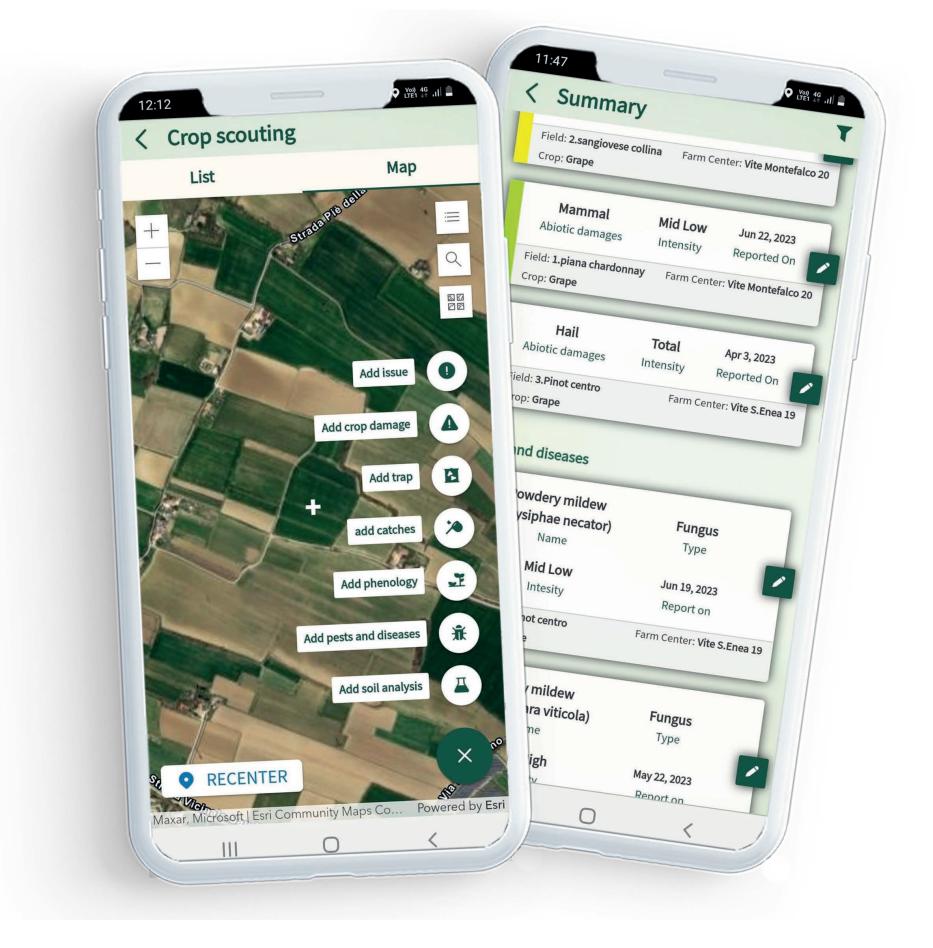






#### **CROP SCOUTING**

Geolocate and register data from crop scouting by using the mobile App for phytosanitary monitoring and evaluation of crop development.



#### ISSUES

- DAMAGES  $\mathbb{N}$
- TRAPS  $\mathcal{A}$
- CATCHES **1**
- JE PHENOLOGY
- PESTS AND DISEASES <del>يل</del>
- **A** SOIL ANALYSIS







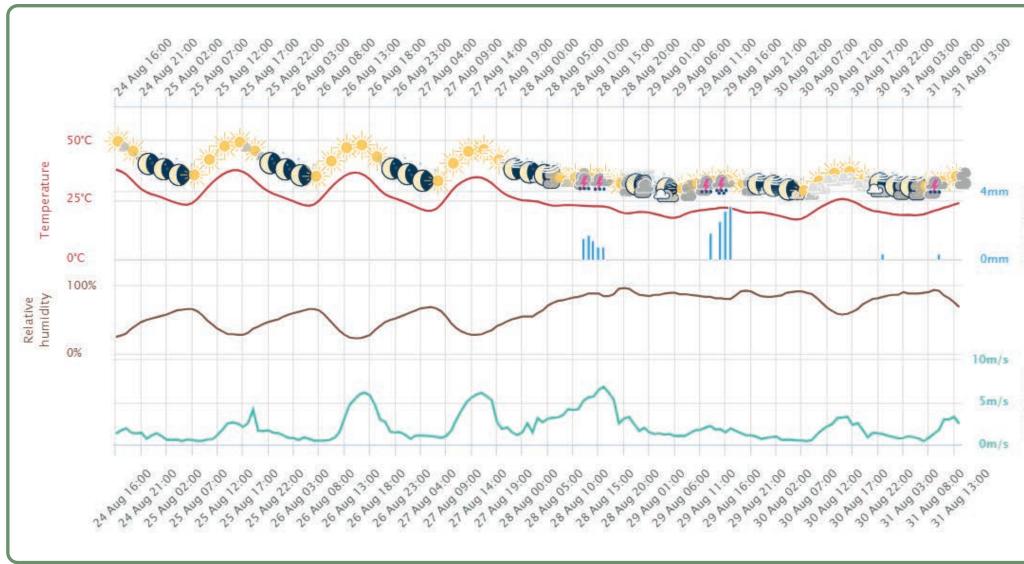


#### WEATHER



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

29 Aug 09:00 Temperature : 18.87 °C Temperature (Min-Max) : 18.35 / 19.7 °C Precipitation : 0.4 mm Cumulative precipitation (29 Aug 00:00-29 Aug 23:59) : 1.00 mm Leaf wetness : 60 min Relative humidity: 85.29 % Relative humidity : 79.66 / 88.9 % Wind speed : 1.2 m/s Wind speed (Min - Max): 1.2 / 2 m/s

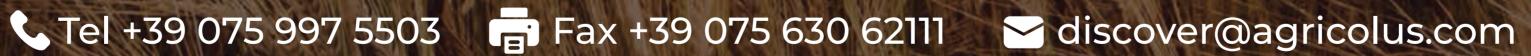


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## Agricolus s.r.l.

Via Settevalli, 320 - 06129 Perugia VAT 06716550485



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