



Enter now into the world
of **digital farming**

CATALOGUE

PLATFORM AND SERVICES

The simple and straightforward solution
for farms that wish to take advantage
of all the power of digital management



Created by farmers, for farmers.



DIGITAL FARMING

xFARM
TECHNOLOGIES

YEAR 2022
V 2.0.1.0

The complete xFarm catalog offered for farming activities: the platform and its basic functions, premium advanced modules and interconnected sensors

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WHO WE ARE

CREATED BY FARMERS, FOR FARMERS

xFarm Technologies was born out of founder **Matteo Vanotti's** need to use a digital service to manage the farming company that he runs with his brothers **in a simple and efficient manner**. The needs were clear right from the very beginning: **simplicity, reduced bureaucracy, management support**. The platform that was created proved to be so promising that it pushed him to create xFarm together with **Salvatore Ferullo**, the Company's CEO, and **Martino Poretti**, head of Research and Development. Our objective is to create a unique platform that accompanies the farmer in every chore, in a simple and visual manner.

We believe that technology must help farms save time and allow them to focus on what is really important: filling the plates of billions of people!

Today, xFarm is used by thousands of farmers worldwide and offers the possibility of going digital not only for farmers but also for entire supply chains: the power of digital management also derives from teamwork and this is why we're creating an eco-system that **allows farming entrepreneurs to connect with technicians, with the cooperatives** they work with, **with industries** that buy the products and all that revolves around the **agri-food chain**.

"I work on a farm along with my brothers and we realized just how difficult it can be to swiftly and efficiently manage this type of activity, particularly when it comes to bureaucracy, reduction in market prices and technical complications in the field. xFarm was created to bring all the advantages of the digital world to the farming sector"

Matteo Vanotti
Founder and farmer



TEAM

A TEAM THAT UNDERSTANDS YOUR NEEDS

Together with our extensive knowledge **of farming we combine technical competencies** that allow us to develop the best possible modern solutions for the agri-food supply chain. The harmony of the passion for farming and technology leads us to open new paths in order to make better use of the power of digital management!



FARMING

We start in the field and transfer farming know-how to our products



INFORMATICS

We develop the platform in a way that is simple, intuitive and fast.



SENSORS

We provide resistant sensors to gather data automatically



COMMERCIAL

We choose partners that offer the best products and integrated services in xFarm



Digital ecosystem: all our products interact and communicate with each other



Attention to costs: even our prices are farmer friendly



Responsive support: contact us regarding any problem or proposal



Over 20 awards in agricultural, technological and entrepreneurial contests & competitions

WHY DIGITAL

Modern farming is continuously searching for efficiency: **limiting unnecessary expenses, speeding up procedures and increasing production quality.** According to our vision the solution is to know one's own fields at a higher level than in the past. Today it is necessary **to combine the experience of farmers with data and information** that help make even more objective and efficient decisions.

With xFarm products you will be able to simplify the management of your company and better understand your business, save time and focus on what is really important for farmers: being in the field!



16 basic functions free forever!

- Simplifies bureaucracy
- Increase control of your company
- Fill in the farm book free of charge
- Decisional support and field sensors

BASIC FUNCTIONS

FIELDS

rapidly manage your land parcels

MAP

fields and sensors at your fingertips

LAND REGISTRY

view the land registry maps and save the details

ACTIVITY

programs and records the work

NOTES

takes notes and photos to record everything

SATELLITE

vegetative indexes of your land parcels

WAREHOUSE

inventory and stock even in the field

SILOS

keep track of the capacity of silos and trenches

LOADS

keep track of harvesting and transportation

PRODUCTS

find technical resources and fill in the register

ACCESS

share access with your collaborators

DOCUMENTS

digitalize to save time and space

EXPORT

create documents for CAP and inspections

MACHINERY

management and maintenance of the machinery fleet

SENSORS

view data gathered by the sensors

SUPPORT

direct chat with our team



THE XFARM PACKAGES

A single platform which adapts to your needs

xFarm offers five packages designed to accompany you in the digitalization of your farm.

Choose the level of digitalization of your choice and enhance the package with the additional available modules.

With xFarm you can manage your company at 360° and adapt the application to your needs.

	START	ESSENTIAL	PLUS	DECISION	PROFESSIONAL
BASIC FEATURES the 16 basic features	✓	✓	✓	✓	✓
AGROWEATHER farming weather forecasts	+	✓	✓	✓	✓
DATA AND DOSAGE labels and dosage of the products	+	✓	✓	✓	✓
ALERTS notifications and memos	+	✓	✓	✓	✓
FINANCE farm economics management	—	+	✓	✓	✓
SATELLITE PRO advanced monitoring of the fields	+	+	✓	✓	✓
ADVANCED REPORTING exports personalized documents	—	—	+	✓	✓
PROTECTION (1 ZONE) timely protective treatments	—	—	—	✓	✓
IRRIGATION (2 ZONES) increases the efficiency of irrigation	—	—	—	+	✓
OPERATIVE MANAGEMENT fleet & personnel management	—	—	—	+	✓
PLANNING AND BUDGET crop rotation planning	—	—	+	+	✓
TRACTOR TELEMETRY connect your tractor to xFarm	+	+	+	+	+
EQUIPMENT TELEMETRY traces the field work	+	+	+	+	+
TANK TELEMETRY traces fuel supplies	+	+	+	+	+
MULTIFARM manage various farm with xFarm	+	+	+	+	+
MAP MANAGEMENT prescription maps and file analysis	—	—	+	+	+
WEATHER STATION PRO xSense PRO with xLeaf	+	+	+	✓	✓
SOIL MOISTURE SENSOR xNode Soil PRO	+	+	+	+	✓

 INCLUDED IN THE PACKAGE
  ADDITIONAL MODULE
  CANNOT BE ACTIVATED



THE PLATFORM

MANAGE YOUR FARM

The platform that you have been looking for: all the power of digital farming in one single app

xFarm is born out of the need to be able to exploit the advantages of digital means in farming, in a way that is smart, economic and intuitive. This is why we created a **unique platform, accessible from any device and expandable with a modular system that adapts to your needs**. All **basic functions are free of charge and premium functions are at your disposal** to manage your business even better.



FREE

Immediately enter the world of digital farming:

xFarm offers all basic functions free forever, without any limit on time or extension of land



ANYWHERE

Designed to be used anywhere:

whether in the field or at the company, all you need is a smartphone, a tablet or a computer to use xFarm to its maximum potential



MODULAR

A solution which adapts to your company:

choose among five packages and purchase the additional modules so as to personalize xFarm according to your needs



FARMING

Created by farmers for farmers:

developed in the field and constantly improved with the help of thousands of users



CONNECTED

The platform is the backbone of the digital ecosystem:

it connects to the xSense and xNode sensors, as well as xFarm Analytics, the panel for the agri-food supply chain



INTUITIVE

So intuitive that you won't need courses to learn to use it:

graphics and operation have been designed to be as ergonomic as possible!



MORE THAN 400 CROPS SUPPORTED



Dashboard 2022

Rainbow Farm
100.77 Ha

6°
-3°
10°
6 km/h
0 mm

Wheat 14% | Apple Tree 12% | Kiwifruit

Last activities

Defending	Wheat test	19/01/2022	To do
Defending		18/01/2022	

BASIC FUNCTIONS

Nowadays being quick and efficient is a must, so we offer xFarm as a free service: discover just how much the digital platform can help you simplify your farm management, saving you time and money so that you can concentrate more on your crops! **By creating an account you could gain access to 13 different functions dedicated to crops, logistics, bureaucracy and agricultural machinery.**



1. MAP

Manage your parcels quickly

Your parcels will be registered in such a way to allow you to easily fill out your work production records (activities), export precise statistics and speed up business management.

2. FIELDS

Fields on hand

In a single window, you can keep an eye on your entire business. With the filters you can also easily see how your crops are set up, which fields have already been planted and which ones are yours.

3. LAND REGISTRY

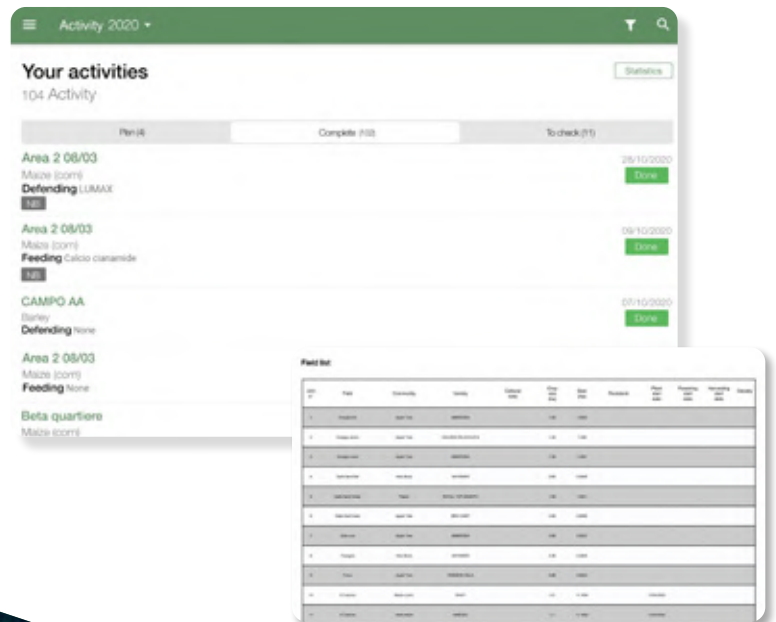
Consult the land registry maps

View the land registry map and save the details for each field, printing them for future needs.

4. ACTIVITY

Manage your parcels quickly

Your parcels will be registered in such a way to allow you to easily fill out your work production records (activities), export precise statistics and speed up business management.





5. WAREHOUSE

Inventory and stock in the field as well

In the field or at home, your warehouse inventory is always on hand. At the end of the season, you can visualize statistical data of movements to discover when and how all the resources have been used.

6. PRODUCTS

Find technical means and fill in the registry

Quickly check to see if you have the product needed to protect your crops available in your warehouse. Remember to always consult the safety data sheets of the products before using them.

7. LOADS

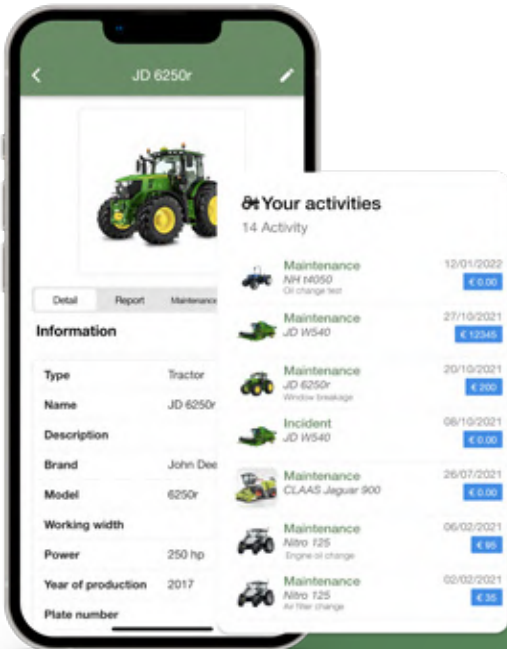
Harvest and transport tracking

Digitally register all transportation, in order to calculate your field production, harvest quality and have statistical data on supplies.

8. NOTES

Notes and photos so you don't forget anything

With the xFarm notes you can register memos, save important photographs and share geo-referenced information with your colleagues.



9. MACHINERY

Manage the maintenance of your machinery fleet

Add any maintenance and breakdowns so you can keep track of when they were made and how much they cost, link your machinery to all field activities to discover how much work has been performed and digitalize user maintenance manuals and statistics so that you have everything on hand.



**FREE
FOREVER**



10. DOCUMENTS

Save time and space by digitalizing the documents

All your documents are digitally stored, with no costs and directly linked to the related event, whether production, transportation or any other activity.

11. EXPORT

Create company reports for PAC, tenders and inspections

Use the exports for checks, PAC and tenders, to summarize all of the important information in one single document quickly and automatically generated.

12. ACCESS

Share access with your workers

Allow your colleagues to access xFarm: in this way, you will be able to assign personal activities and speed up company management.

13. SENSORS

View data gathered by the sensors

In a single location, view all environmental parameters in order to improve irrigation, protection and harvest, choosing the best time to visit the fields.

14. SILOS

Silos and trenches under control.

Record all loading and unloading to always keep track of how much product remains in your silos and trenches.

15. SATELLITE

Monitor your fields

View the latest satellite map for each of your parcels. Pictures are taken every 5 days on the NDVI base and allow you to swiftly notice abnormalities and variables in the growth of your crops.


16. DIRECT SUPPORT

Direct chat with our team

xFarm direct support is accessible to all users, whether they have activated packages, or whether they are using the free version. All you need to do is click on the blue icon in the lower right hand corner, whether on the website or in the app: don't wait until you're back in the office to write to us, you can zcontact us using your computer or mobile device!








 **JD 6R** 190 cv

Purchase: mar 2014
Rubberizing: 600/65R28 650/75R38

Driver: Robert F.
Hours: 1432.3 h
Motor torque: 49%



4.5
 km/h


56
 %


1435
 rpm




INTUITIVE
 YOU WON'T NEED ANY TRAINING

COMPLETE
 YOU WON'T NEED OTHER APPS

 **Field 4** 6.27 ha

Crop: Maize (corn)
 Hybrid: FAO 500
 Stage: BBCH 00 - to sow
 Preceding: soft wheat

19/03/2020 Plowing To do
16/07/2019 Bale straw Done
14/07/2019 Threshing Done

 [Details](#)  [New activity](#)  [New note](#)

Simplifies business management and bureaucracy
 easily consult and export your data



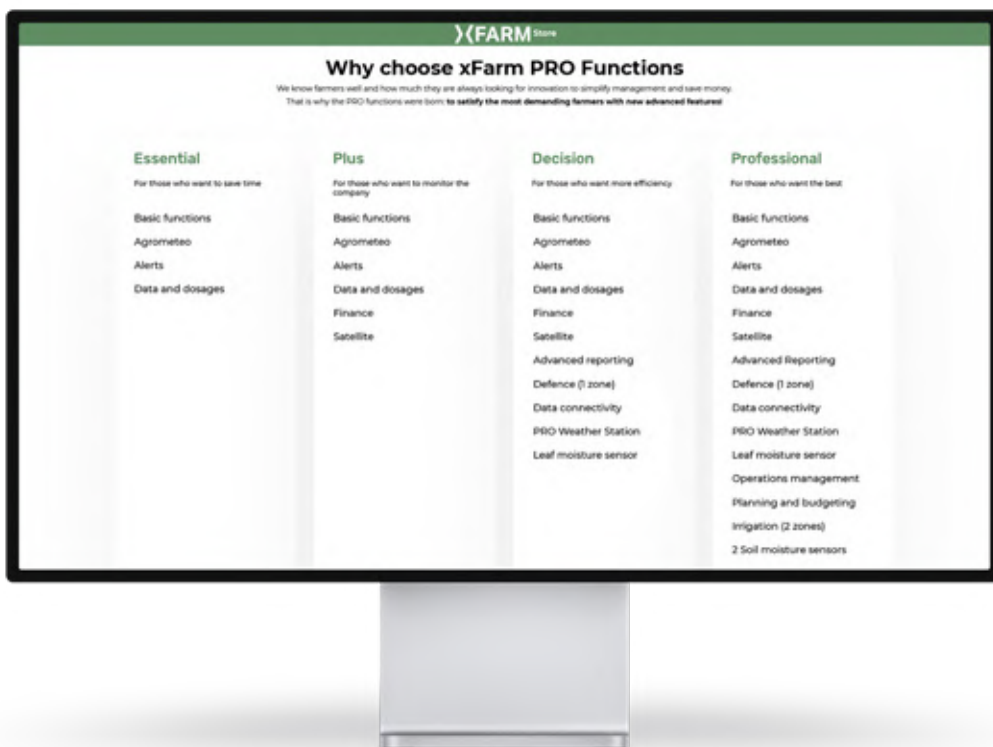
PREMIUM MODULES

THE ADVANCED FUNCTIONS

A solution which adapts to you

We offer dozens of modules developed to allow you to have **everything in xFarm** that **YOUR business needs**.

Full adaptability: **freely choose** what package suits you best and personalize it with the additional modules you need. All of our software and sensors, prices and characteristics are contained in **one single place**.



MODULAR

Personalize xFarm

choose what package suits you best and personalize it with modules!



ADVANCED

Get the most out of digital:

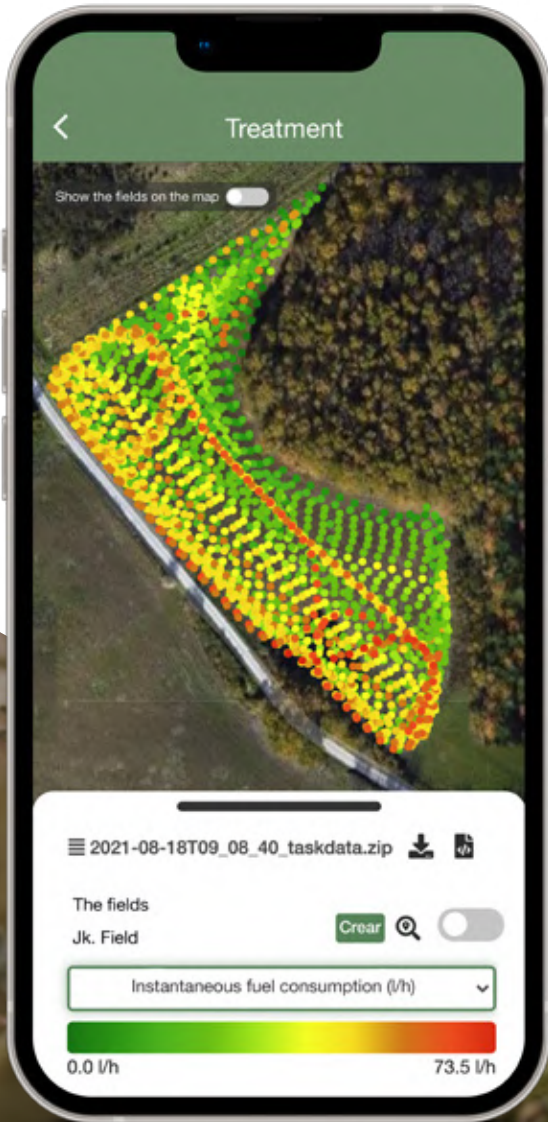
from forecasting models to digital farming




INTEGRATED

One single platform:


all in one place, accessible from all devices




 **FINANCE**
Digitally managed accounting and sales

 **PROTECTION**
Optimize PP by saving money and time

 **PRECISION FARMING**
The highest efficiency level in the field

 **ADMINISTRATION**
Simple and quick business management

 **AGROMETEOROLOGY**
The weather forecast for farming

 **TELEMETRY**
Your machine fleet like you've never seen it before

 **IRRIGATION**
Increases the efficiency of irrigation

- COMPLETE
- ADVANCED
- FAST

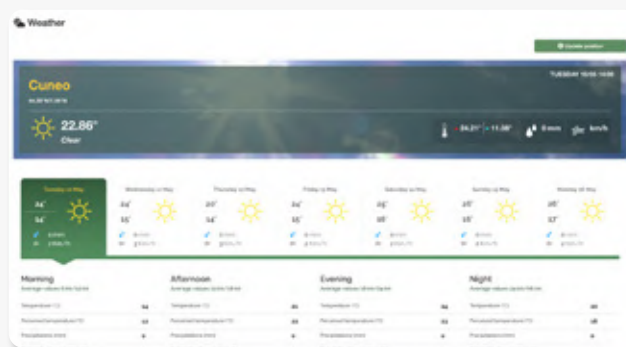
AGROWEATHER

The local weather forecasts for farming

The module that allows you to check precise and reliable weather forecasts, with specific information for farming.

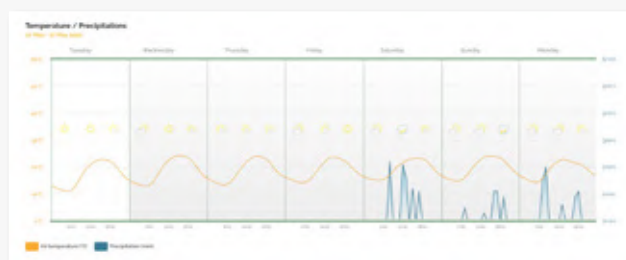
Local forecasts

Obtain **high precision forecasts** based on local data, with all the most relevant weather parameters, which can be examined well in advance.



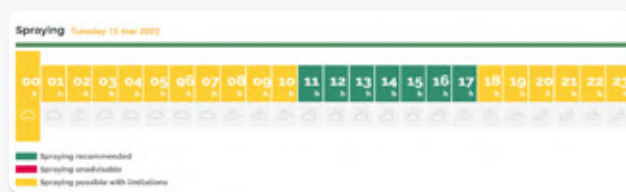
Graphics and charts

View all the information in an easy and effective way. Agroweather provides you with graphs and tables containing the planned data, so as to **immediately see the forecast trend**.



Spraying

Indications on **the best times to carry out treatments**, in order to avoid drifts and washouts, not just day by day, but with precise timing.



Sowing

Displays, for each crop, the **times during the day which are more suitable for sowing**, in order to optimize germination, thus saving seeds while obtaining a greater number of plants.





ALERT

One tool with unlimited potential

Warnings is the module that allows the use of xFarm data to create customized alerts and personalized notifications, just choose the values to be considered, the warning rules (for example a threshold) and the way notifications are sent.

Alert Configuration

1 Choose type
Modify
Warehouse: When AMPLIGO is greater than 40 kg

2 Detail
Modify
Name: Purchase Ampligo
Text: Ampligo product is about to run out (less than 40 l remaining)
Users: Marlene Bianco
Email: demo@xfarm.ag
Sms number: +3933312345612 , +3933345461236

3 Field and crop
Modify
Field: Alpha, Gamma, Epsilon, Zeta

Choose a type of alert

Are you creating a reminder?
Would you like to have a record of stocks, machinery and activities?

Create the rule

Choose a value or an event and when the warning should go off

Enter the details

Choose title, descriptions, users and notification send method (on the app, via mail or TEXT MESSAGE)

Choose the fields

If you like, you can limit the warnings to only some parcels

Actions

Check products on the plots

Alert when conventional products are registered on organic fields.

Warehouse 19/05/2019

Actions

Wind alert

Alert when xSense PPO measures wind > 20 km / h.

Sensors 06/07/2019

Actions

Alert suspicious machinery movements

Alert when telemetry detects moving machinery after 10 pm.

Machinery 07/06/2019

Actions

Water stress field 4

Alert when field 4 is below 20% humidity for more than two hours.

Devices 08/07/2019



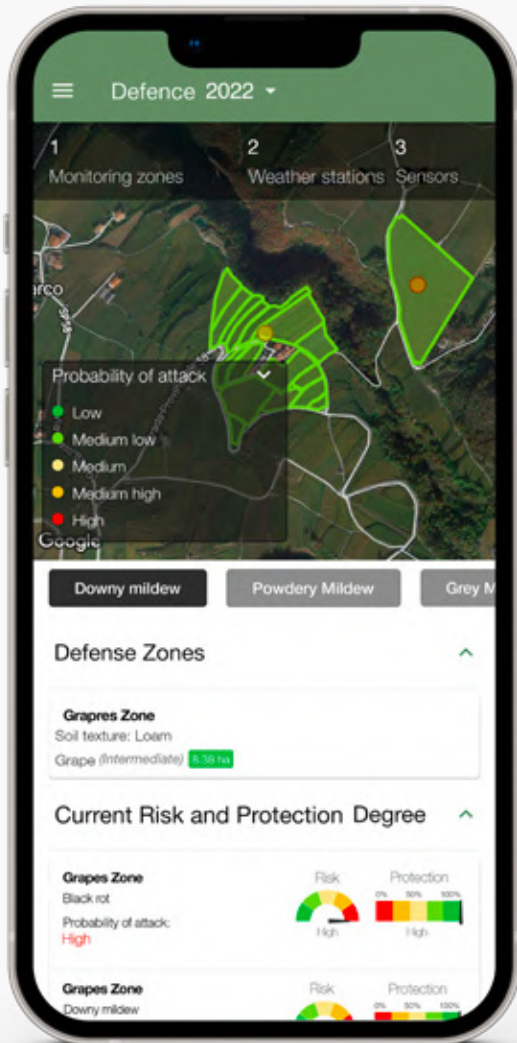
PROTECTION FOR YOUR CROPS




Optimize plant protection by saving money and time

Improve protection interventions, increasing efficiency of spraying, saving time in treatment registration and preventing disease outbreaks.

FORECASTING MODELS

Use data from sensors placed in your fields to get protection alerts actually based on your data. In this manner, you'll be able to identify the **optimal times for working the field**, thus preventing the onset of diseases through precise treatments, saving resources while protecting your production in the best way possible.



 <p>CROPS protected</p>	 <p>PROTECTION efficient</p>	 <p>TREATMENTS optimized</p>	 <p>COSTS reduced</p>
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Registration No.
12482

Product
LUMAX

Active substances
**TERBUTILAZINA - TERBUTHYLAZINE
MESOTRIONE
S-METOLACLOR**

Content
**TERBUTILAZINA - TERBUTHYLAZINE
16,94 %
MESOTRIONE 3,39 %
NON SPECIFICATI 51,44 %
S-METOLACLOR 28,23 %**

DATA AND DOSES

Searches for products suitable for adversities, obtaining access to **labels**, **safety data sheets**, **shortages** and return times, **suggested dosages**, while speeding up the recording process for protective intervention operations.

Card Crops **Security** Documents

By crop ^

Registered Species	Guard days
TABACCO	-
POMODORO	7
MELO	14

Labels ^



XSENSE

Connect xSense weather stations to get forecast models

Choose an xSense (mini or Pro) weather station, install it in the field, connect it to the platform and you'll not only be able to see all the environmental parameters, but also use the data for advanced functionalities, such as forecast models and warnings.

Connect the xNode sensors to your weather station and use the data collected in order to find out what's happening in your fields: humidity, temperature, conductivity and much more.

XNODE

Collect parameters for leaf wetness with xNode sensors.



INSECT MONITORING



XTRAP DELTA

With the xTrap Delta monitoring trap you can automate trapping and counting. By placing a glue sheet and specific pheromone, the trap will attract and hold insects effectively.

Through a camera, the trap will take and send a daily photo of the captures to the xFarm app.



XTRAP COLOR

With the xTrap Color monitoring trap, you can automate the capture and counting of insects attracted to particular colours. By placing a chromotactic glue sheet, the trap will attract and hold insects effectively. Through a camera, the trap will take and send a daily photo of the captures to the xFarm app.



XTRAP STINK

With the xTrap Stink monitoring trap, you can automate the capture and counting of bugs. By placing a pheromone, the trap will effectively attract and hold the insects. Through a passing sensor, the trap will count and send the captures to the xFarm app.



SAVE MONEY

Visit plots only when really needed, saving time and money



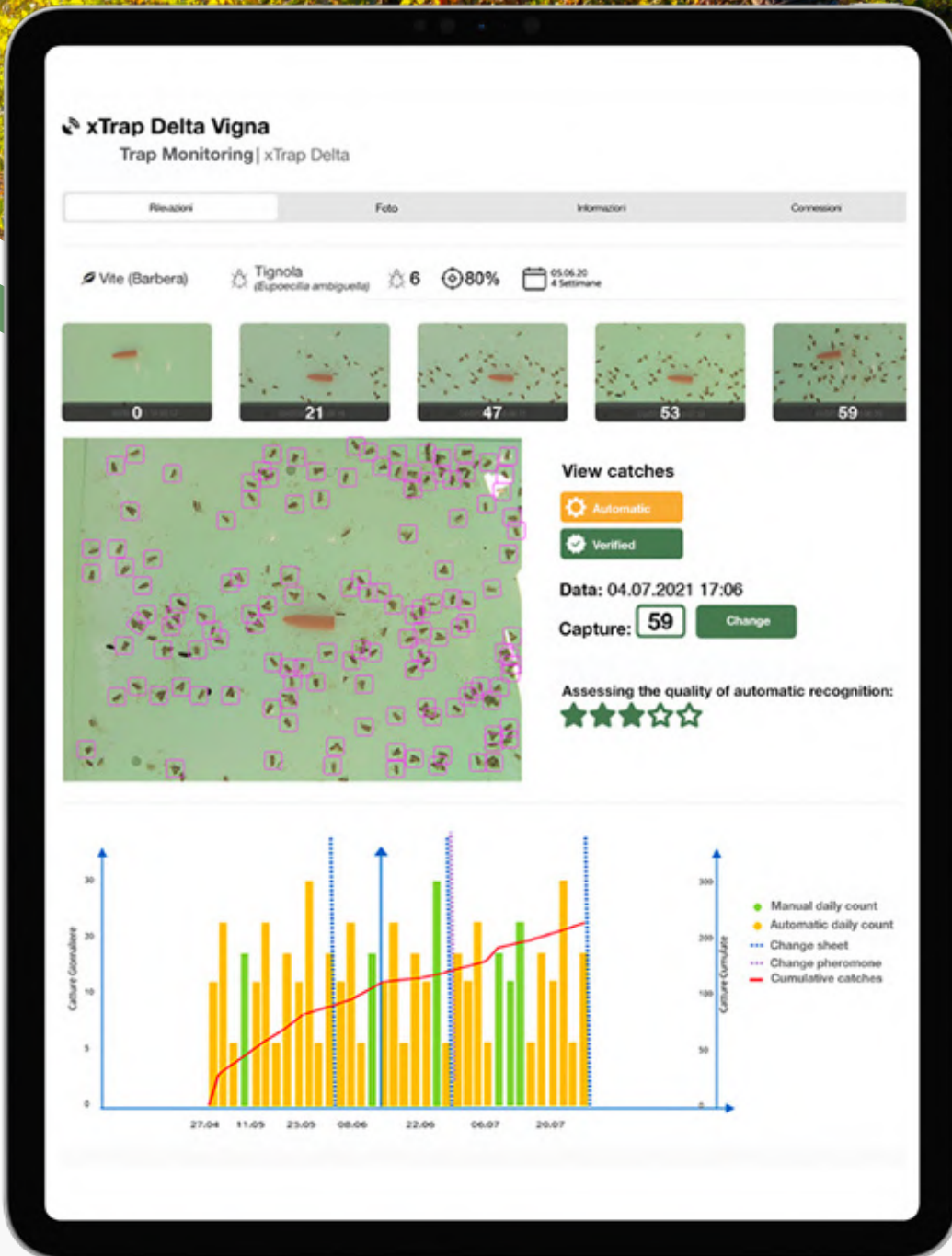
HISTORIC

By taking one photo per day, you can view the evolution of catches



ANALYTICS

Thanks to image recognition, captures become objective data for calculations and strategies



AUTOMATIC COUNT

With artificial intelligence xFarm recognises and counts insects

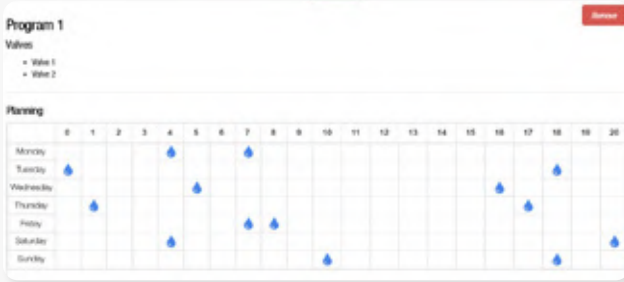
The app uses image analysis functions to recognise the type of insect caught and count its presence. In this way, captures are transformed into numerical values useful for making better decisions, thanks also to the graphs shown by the app and specific forecasting models. This function is also compatible with Alerts, to receive notifications and alerts when the intervention threshold is exceeded.



IRRIGATION

Irrigation advice

Uses the data taken from on-field sensors to calculate the soil's moisture level, compares it with the crop's requirements and **calculates the irrigation needs**, thus avoiding plant stress.



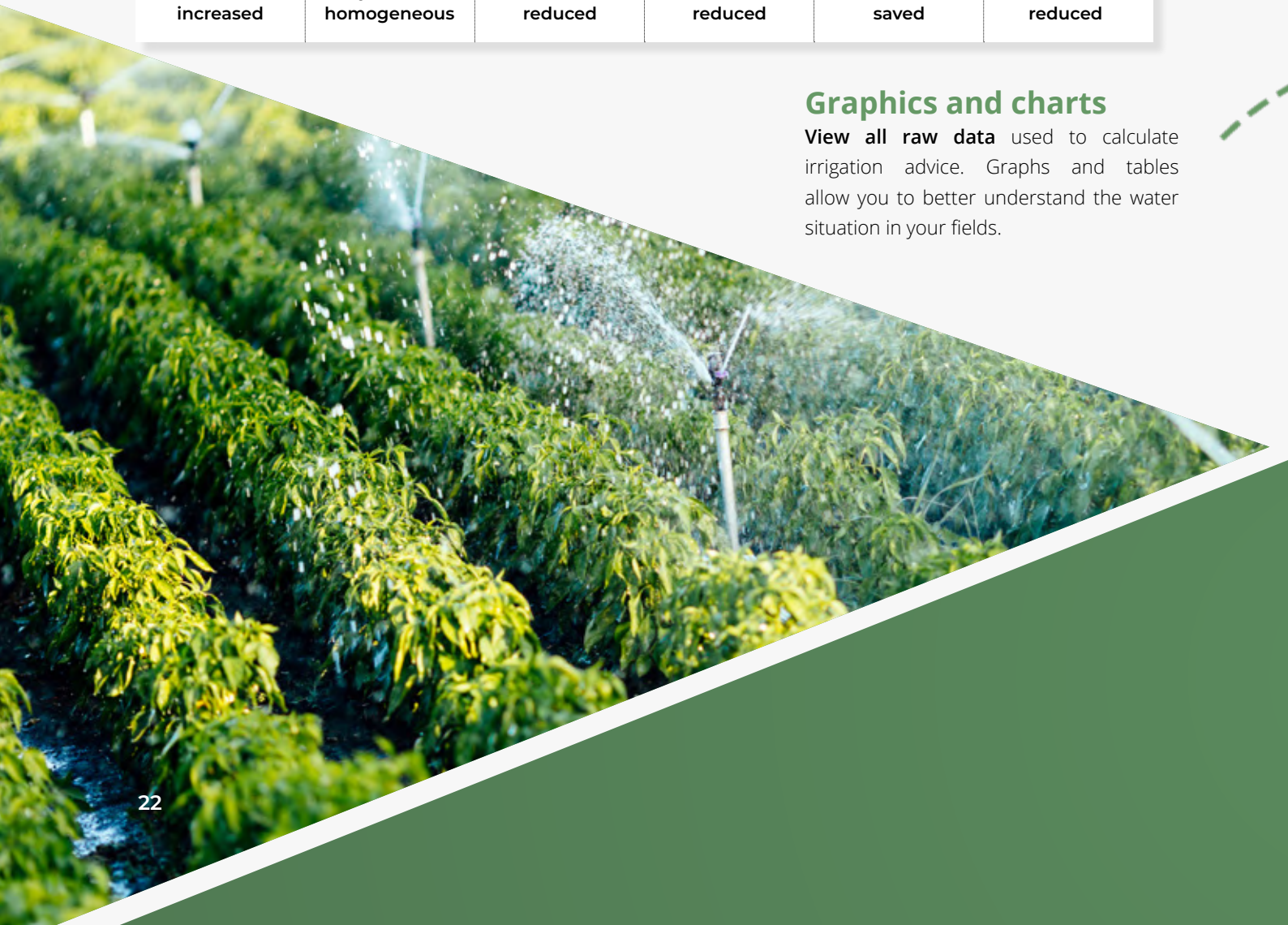
Irrigation management

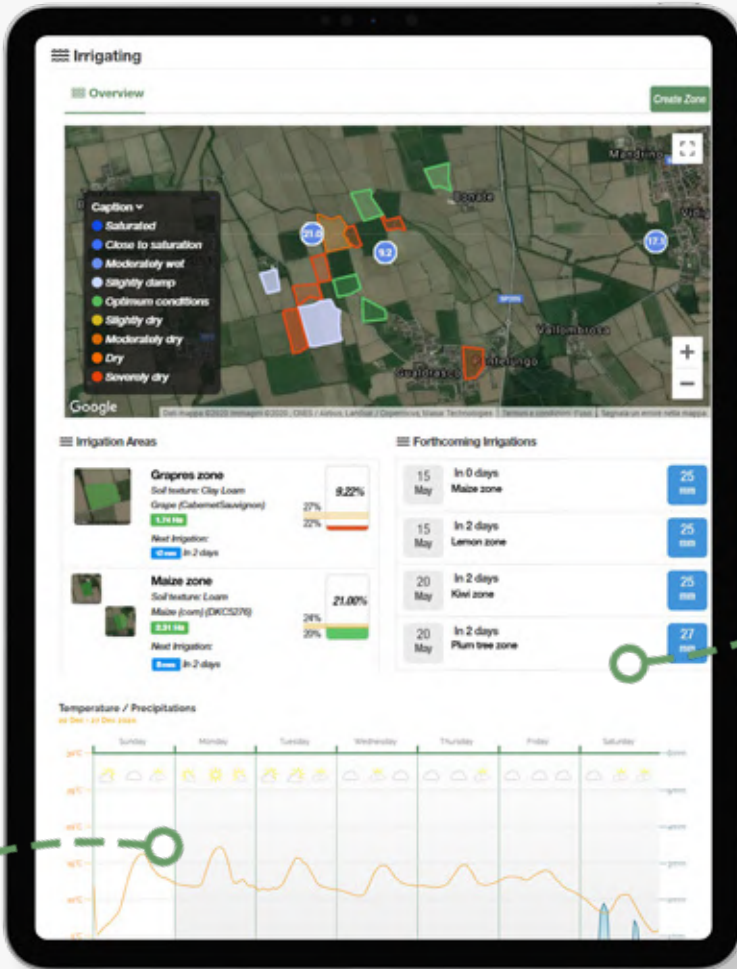
Split up the irrigation operations day by day, field by field, as well as setting the **irrigation system activation times**.

YIELD increased	QUALITY homogeneous	TREATMENTS reduced	WASTE reduced	ENERGY saved	COSTS reduced

Graphics and charts

View all raw data used to calculate irrigation advice. Graphs and tables allow you to better understand the water situation in your fields.





Irrigation calendar

View a **calendar with all the relevant irrigation schedules**, so as to stay updated with regard to your parcel's irrigation needs.



Connect the xNode sensors to your weather station and use the data collected in order to find out what's happening in your fields: humidity, temperature, conductivity and much more.

XSENSE

Connect the xSense weather forecast stations to collect environmental parameters



XNODE

Collect soil parameters with xNode sensors

Choose an xSense (mini or Pro) weather station, install it in the field, connect it to the platform and you'll not only be able to see all the environmental parameters, but also use the data for advanced functionalities, such as irrigation advice.



PRECISION FARMING

All the advantages of precision farming in a simple and complete platform

Use xFarm to reach the **highest level of technical precision** in farming, limiting waste, increasing yield and quality, exploiting to the fullest **all the possibilities of modern farming**. With this approach you can collect very precise data on **variability within your field** and use them to draw up **timely action plans**.

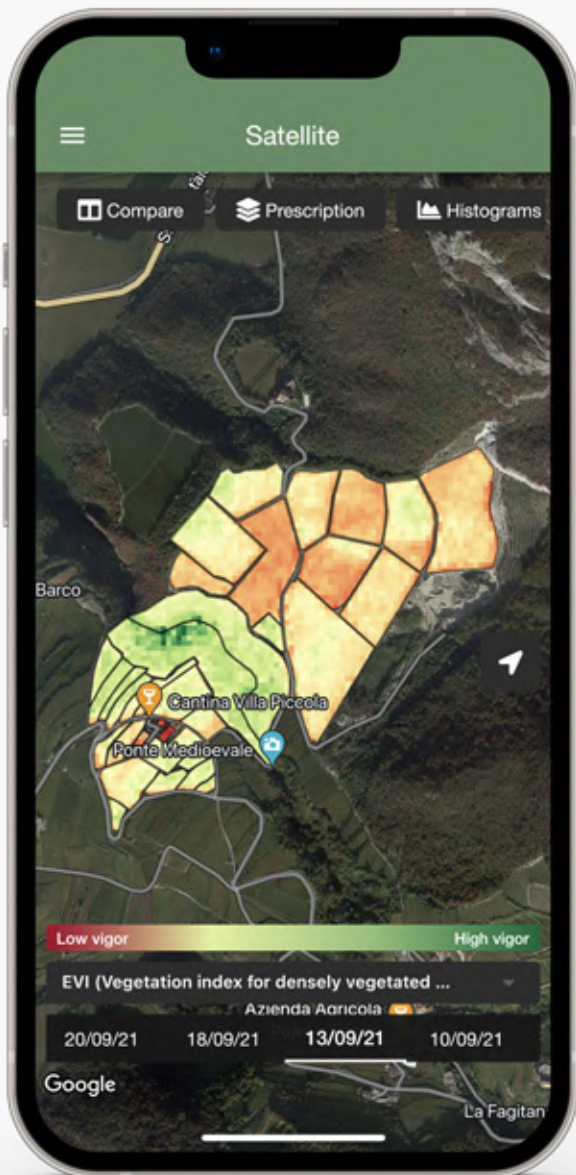
SATELLITE PRO

View multispectral images for all your parcels: this data, collected by **satellites** equipped with particular devices capable of taking photographs at various wavelengths, will help you understand the variability inside your parcels, enabling you to quickly comprehend **which fields or areas are developing better and which others have problems**.

The satellites will take a picture **every 5 days** (unless it's cloudy) and you'll be able to access all the pictures taken in the **last 12 months**, so as to be able to also evaluate the weather changes. Furthermore, with Satellite you can also **compare images** with different indicators and dates, in order to verify, for example, if low plant vigor is due to stagnation or low leaf coverage.

Supported indicators:

- **NDVI**: Normalized Difference Vegetation Index
- **NDRE**: Normalized Difference Red-Edge
- **EVI**: Enhanced Vegetation Index
- **LAI**: Leaf Area Index
- **CHI**: Chlorophyll Presence Indicator
- **SAVI**: Soil-adjusted Vegetation Index
- **NDWI**: Normalized Difference Water Index
- **RGB**: Real Color





Map generation

Sowing: Nutrition:

Origin - Field List:

Index: Date:

Zones:

Opacity:

Strategy

Higher dose in areas with higher vegetative use Higher dose in areas with lower vegetative vigour

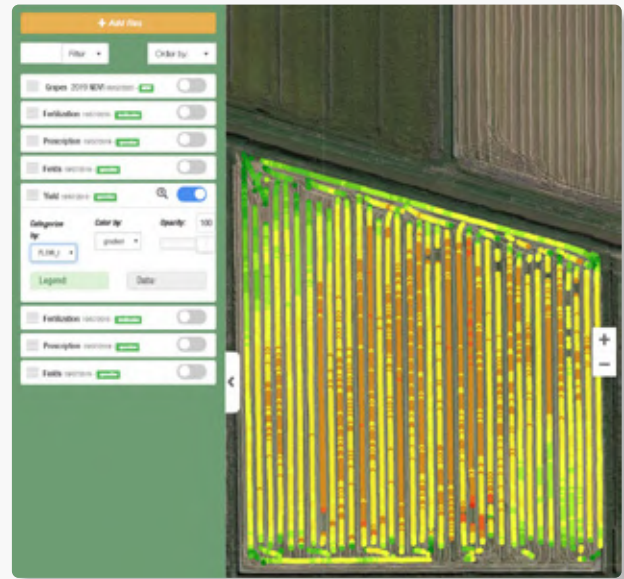
Average dose: Units:

Dose difference with zones: 15%

Product name:

Distribution

Dose (kg/ha)	Area (ha)	Quantity (kg)
222.11637	0.0249667	5.5499610
190.14467	0.5272967	101.84495
167.95186	4.6733970	784.90067



PRESCRIPTION MAPS

With **Prescription Maps** you can use satellite images to create **fertilization** and **sowing maps** in a **simple and quick manner**. Loading these maps onto the on-board computer on variable-rate equipment will enable you to distribute resources more efficiently, **saving time while increasing yields**.

MAP ANALYSIS

With Map Analysis you can **load and view mappings** of any type in a single location. Whether they are yield maps of a combine harvester or maps made by drones, you'll be able to import, consult and compare them. You'll also be able to **file them in an orderly manner**, attaching them to activities, fields and specific moments.



EFFICIENCY

Distribute resources so as to increase your yield and avoid waste

Precision farming allows you to combine the understanding of your fields with the management of operations within the parcels. You'll be able to better manage resources, increase yields and achieve the best out of your parcels, reducing waste and inefficiencies.









SIMPLIFICATION

Integrate precision farming with all other xFarm features

xFarm offers you the possibility of managing precision farming techniques through a single platform, which also contains all the other functionalities needed for digital farming: you'll thus be able to combine the variable ratio by recording the field activities, exploit telemetry, obtain financial reports and much more...



MACHINERY TELEMETRY

 <p>MACHINERY</p> <p>Position, consumption, speed and all engine parameters in real time.</p>	 <p>EQUIPMENT</p> <p>Matching machine-tool register and working hours</p>	 <p>PERSONNEL</p> <p>Register drivers via badge and association to the activity being carried out</p>
 <p>AUTOMATIC LOG</p> <p>xFarm uses positions and data to automatically fill in the register with your field work activities</p>	 <p>FUEL</p> <p>Make your diesel pump smart and record all the re-fueling by pairing them to vehicles and people.</p>	 <p>MAINTENANCE</p> <p>Receive predictive maintenance notifications based on anomalies and hours of work carried out</p>

How it works

The Telemetry premium module allows you to integrate your machinery data into xFarm:

- If the vehicle does not have a CANbus port you can record the connected position, speed, drivers and tools
- If the vehicle does have a CANbus port you can record the connected position, speed, drivers, tools and vehicle parameters (consumption and exertion)
- You can keep track of the hours worked and paired to all vehicles, as well as automatically record the activities

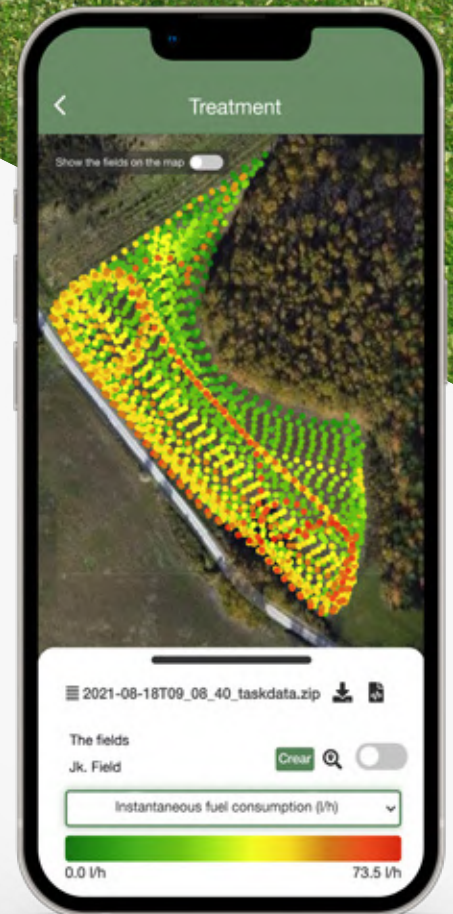
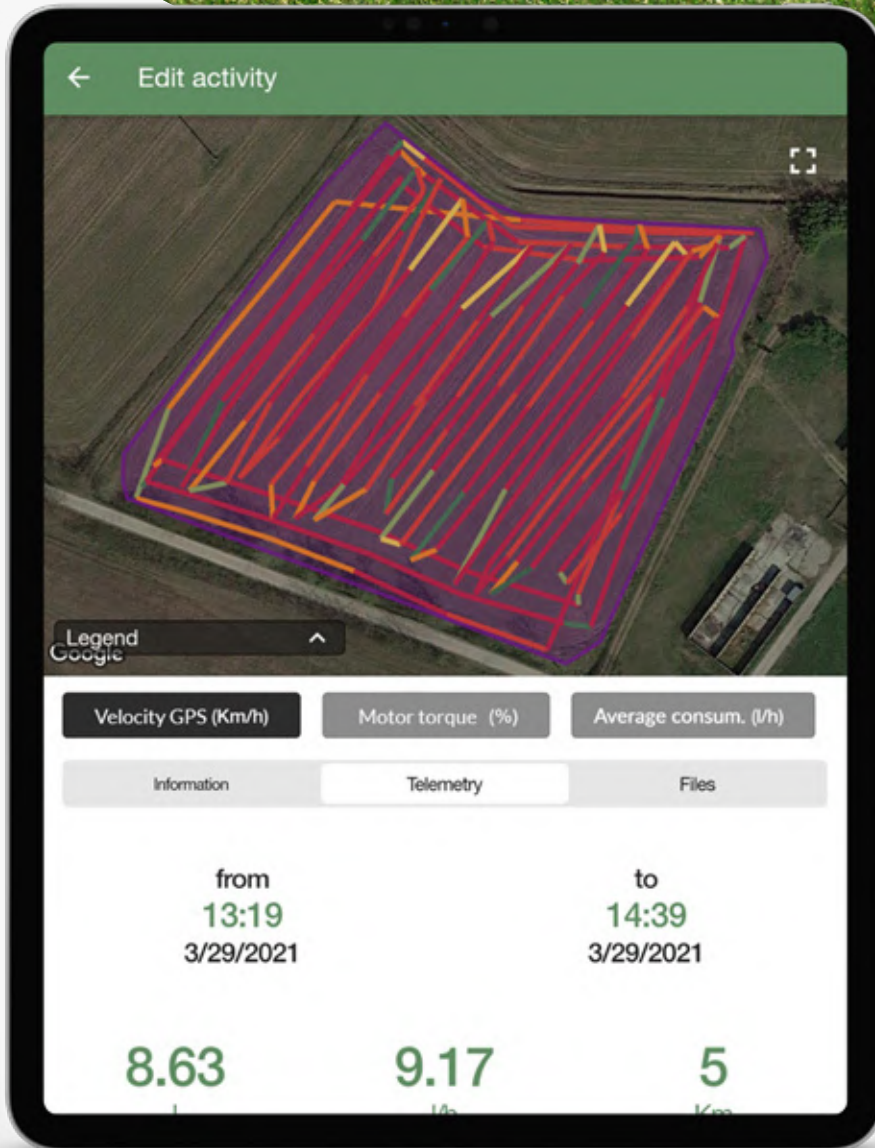


Other devices

Additional devices will allow you to collect further data:

- Use the **RFID reader** to allow drivers to register their presence on the truck via badge
- Connect your tank with the **smart counter** to limit re-fueling to authorized personnel only and keep track of the liters used for each machinery





A FLEXIBLE SOLUTION

Connect your machinery to xFarm, even if it is not new

If your machinery is equipped with CANbus you can use the device to collect all the information for the vehicle in real time and, if the tool had a sensor fitted, you may also record pairings and hours worked in the field. If your vehicle does not have a CANbus port you can use CANLive in order to record position, personnel and equipment.



OPERATIVE MANAGEMENT

Manage personnel and fleet

With the Operative Management module, you can plan activities by checking that machines, products and required personnel are available.

Personnel management

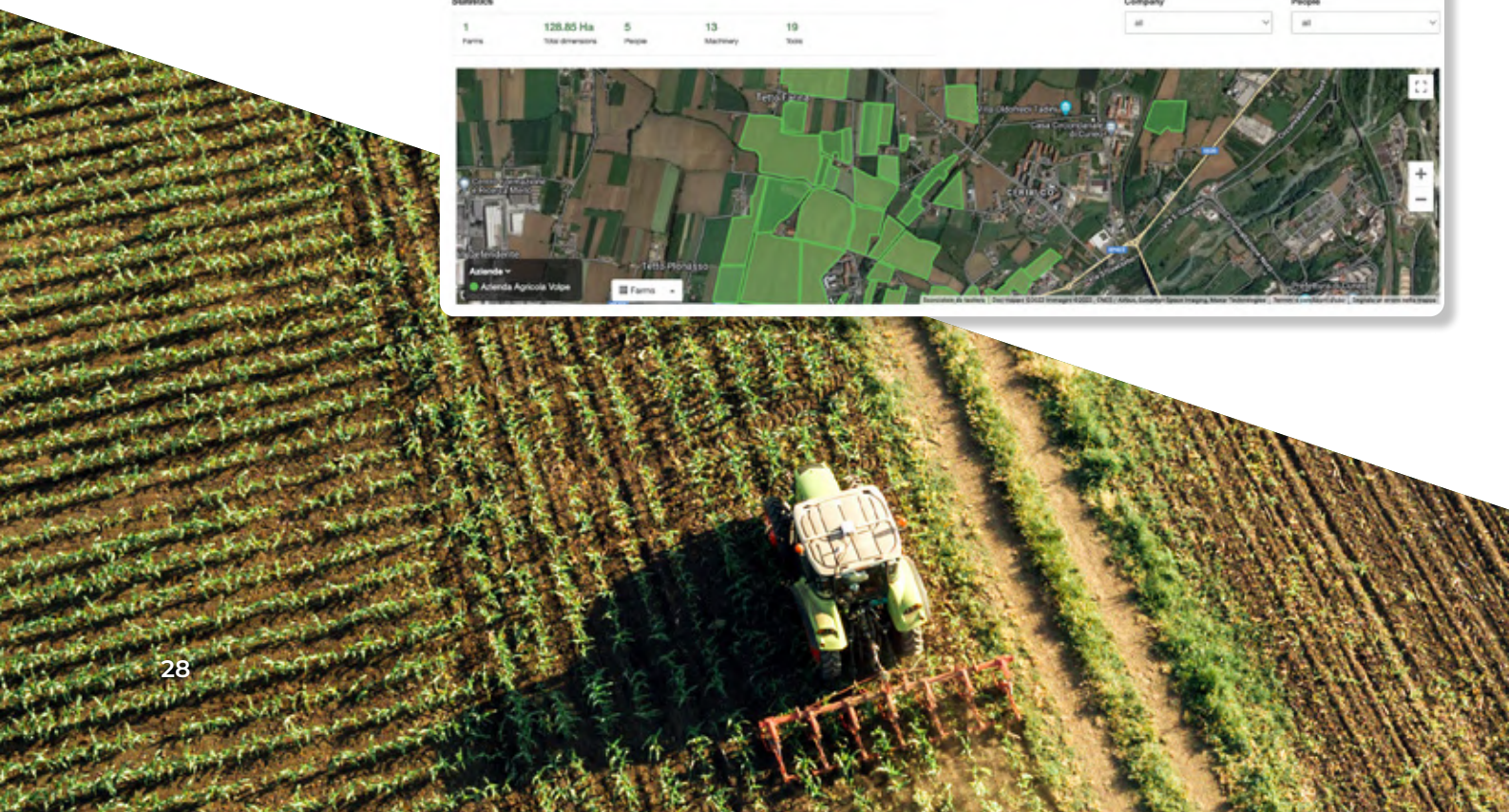
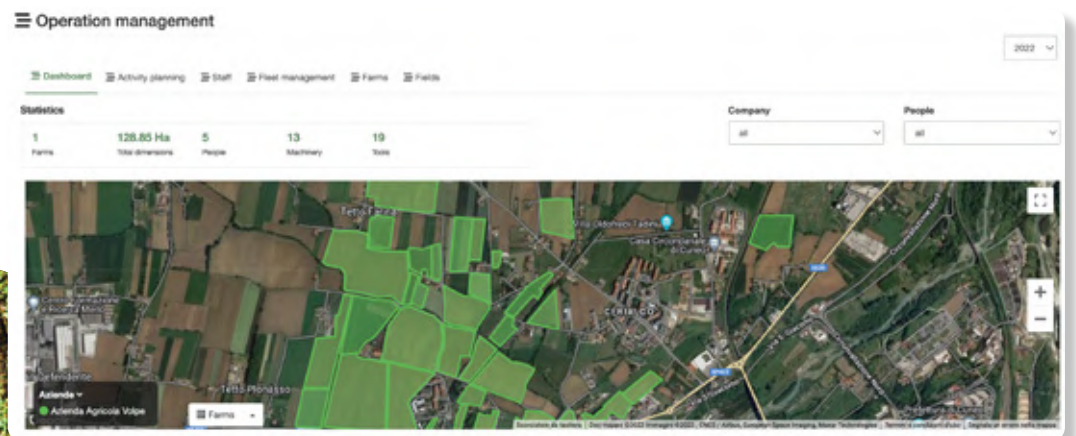
It plans and records personnell's working hours, assigning individual tasks to be carried out and which machines and products they should use.

xFarm integration

Operative management has been implemented to be connected to the Finance and Telemetry modules, to enable an outline of costs for activities and machinery functionality.

Global vision

Visualize in real time the position of your machinery (if equipped with telemetry), the programmed activities and those that have already been effectuated, analysis graphics in an incredibly user friendly calendar. If you have Multifarm you will have a global view of all the connected farms.





WORK PLAN

Work plan: instructions for your personnel

A simplified list of your staff wherein the planned activities they were entrusted to implement can be viewed and what they may need to complete same is also viewable. **Work plan is included in Operative Management.**

Easy and effective

In the xFarm application and web version, your employees will be able to use the Work Plan section to view a simple and complete summary of the tasks that have been planned for them.

The interface has been designed to be used even by non technology lovers, with clear indications and larger images. It is possible to select a specific date range and if the farm has the Agroweather module activated, additional weather forecasts are available in the work area for the days in question.

Everything you need for your work

The screen is composed of three sections:

- Date selection and weather conditions
- The list of tasks planned for the user during the selected date to **keep track of the work to be done**
- The machinery and products needed to carry out the work, in order to **save time and avoid errors when using company resources**

Task plan

Day Week Month

Bianca Filosetti's Activity Agenda

< 02/05 - 08/05 >

Tuesday 10 May
22°
10°
0 mm 4 Km/h

Wednesday 11 May
24°
11°
0 mm 5 Km/h

Morning Afternoon Evening Night

Average values 06:00 / 12:00

Temperature (°C)	10
Perceived temperature (°C)	9
Wind speed (km/h)	1

Activity of the day

- Defending Maize (corn) GRITZ 04/05/2022 Done
- Defending Maize (corn) DECIS EVO MR 04/05/2022 Done
- Defending Maize (corn) DECIS EVO 04/05/2022 Done

What do you need

2 Machinery

- Frutteto CVT
- Spayer Omnis

4 Products

- Loyant 2.0 Rice products warehouse Balance: 1.58 l 7.44 l Le Rondini SS
- RIFIT 500 Rice products warehouse Saldo: 4.00 l 9.30 l Le Rondini SS

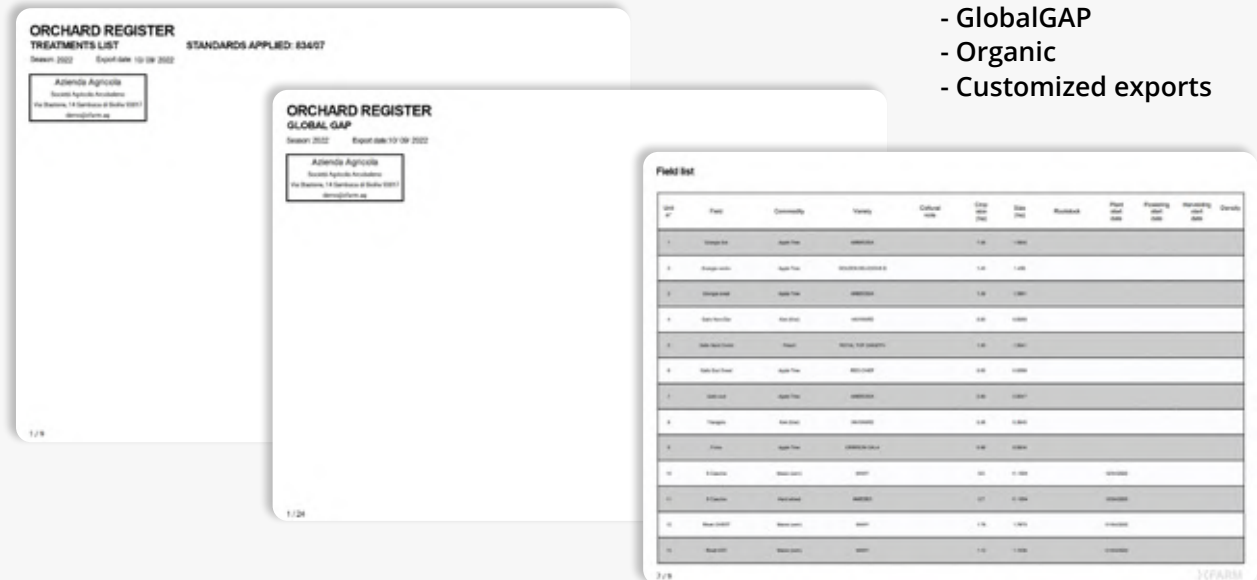
We wish you a good work

Simplify business management,
focusing on what's really important:
manage your fields!

ADVANCED REPORTING

Produce printable documents with business information for organic, GlobalGAP and much more

Get advanced reports: all the information can be exported into **detailed and customizable documents**, for inspection, tender notices and particular declarations, such as biological and GlobalGAP.

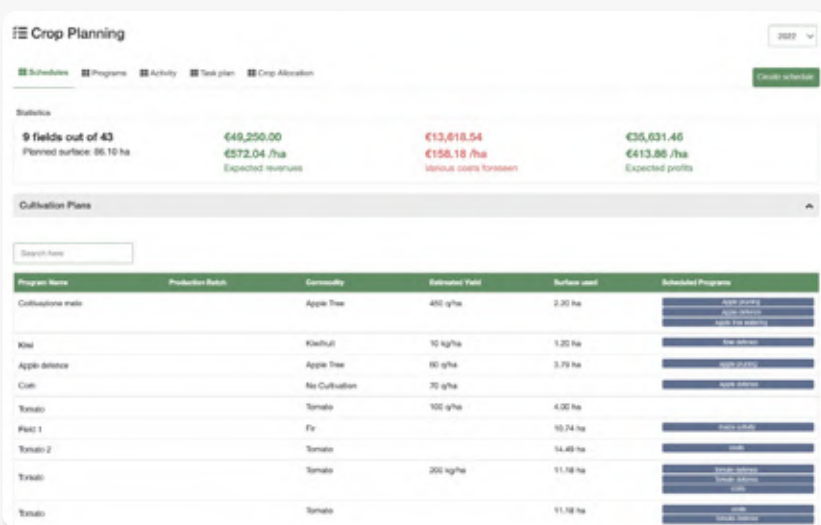


- GlobalGAP
- Organic
- Customized exports

PLANNING AND BUDGET

The tool that helps you plan and compare the entire crop plans

With Planning and Budgeting you can set up activity programs in the field, estimate their costs, order them and get a budget estimate of the choices to be made.



Compare different strategies

It generates work simulations, records costs and returns, in order to compare the necessary farming plans in advance.

Plan multiple activities

Utilize the plans to schedule a large number of repetitive tasks in multiple fields with just one click.

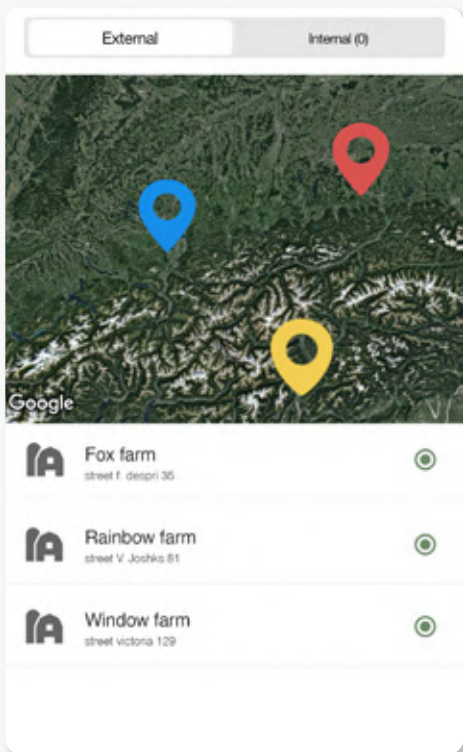
Manage the rotations

Plan the rotations in your parcels, respecting the bureaucratic needs and controlling field turnovers.

MULTIAGENCY

It simplifies the multiple management of farms

Multiagency is the module designed for those willing to use the xFarm power on more farms, speeding up the connection between the different accounts and allowing data sharing for the best efficiency of advanced functionalities.



It connects more companies

Do you own multiple farms or are you a cooperative who would like to use xFarm more effectively? Use Multiagency to connect multiple companies.

Quickly switch between accounts

Forget the time lost disconnecting and logging in between accounts, with Multiagency, a click is all it takes to access another profile.

Use the PRO activated functions

With Multiagency you can use the PRO functions activated in the connected farms, easily and without extra costs.

Integration with Operational Management

With Operational Management you can plan activities globally, with general control over all the resources of the company group.

Customer management for technicians and farmers

It speeds up your customers' control by connecting you to their profiles

Client management for subcontracting companies

Fill in activity logs directly in the customers' profiles.



FINANCE

Digitally managed expenses/revenue assessment and crop comparison

It simplifies financial management by analyzing recorded data to compare vintages, techniques, crops, parcels and much more, finding **possible savings** and **assessing the effectiveness of the investments**.

Invoice register

It **digitally records invoices** issued for the sale of products, the purchase of technical means and all the company's accounting movements.

Costs and revenues

Obtain graphics and charts that compare inputs and outputs, so you can evaluate which production phases have more impact and what the **net revenue will be**.



Economic map

A **visual summary** that allows you to quickly recognize which **parcels** have guaranteed higher revenues, costs or income.

Crop margins

View the cost items for each crop that have most affected the budget, understanding where you can limit waste and optimize your choices.

Crop comparison

Compare the different **crops and varieties**, so as to highlight **which ones led to a higher profit**, including them in the crop organization for the following year.

Crops 2022

Hard wheat 6.01%

Wheat 21.10%

Peach 8.50%

Kiwifruit 1.00%

Soy 5.65%

Prato Polifita 1.10%

Oats 1.61%

Garlic 0.18%



SIMPLE INTUITIVE VISUAL





THE XFARM SENSORS

xFarm takes care of **selecting** the best sensor suppliers, **optimizing** the devices according to your needs and **connecting them** smartly with each other and with the xFarm platform.

Internet of Things (IoT) is what distinguishes the xFarm sensors, it means that the devices are interconnected and can communicate directly with your account via the internet

If you want to check the environmental parameters of your company you just need to buy a sensor and connect it **to your account** for free: in the **Sensor** section you will find all the information collected by the device.

If you wish to take advantage of digital management even further, you can **pair the sensors with our Premium modules**: from irrigation to protection, you can obtain forecasts and advice based on the conditions in the field.



MONITORING

Keep track of the environmental conditions to make better farming decisions



CONTROL

Check the present field parameters in real time, even if they are far away.



EFFICIENCY

Use the information gathered to save resources and promptly intervene



TABLES AND CHARTS

All of the registered data is simple to read and understand thanks to tables and charts



ALERTS

Set personalized warnings that will advise you when particular conditions are occurring



FARMING ADVICE

Receive suggestions on crop protection and irrigation thanks to the data collected.





SENSORS BORN FOR THE FIELD



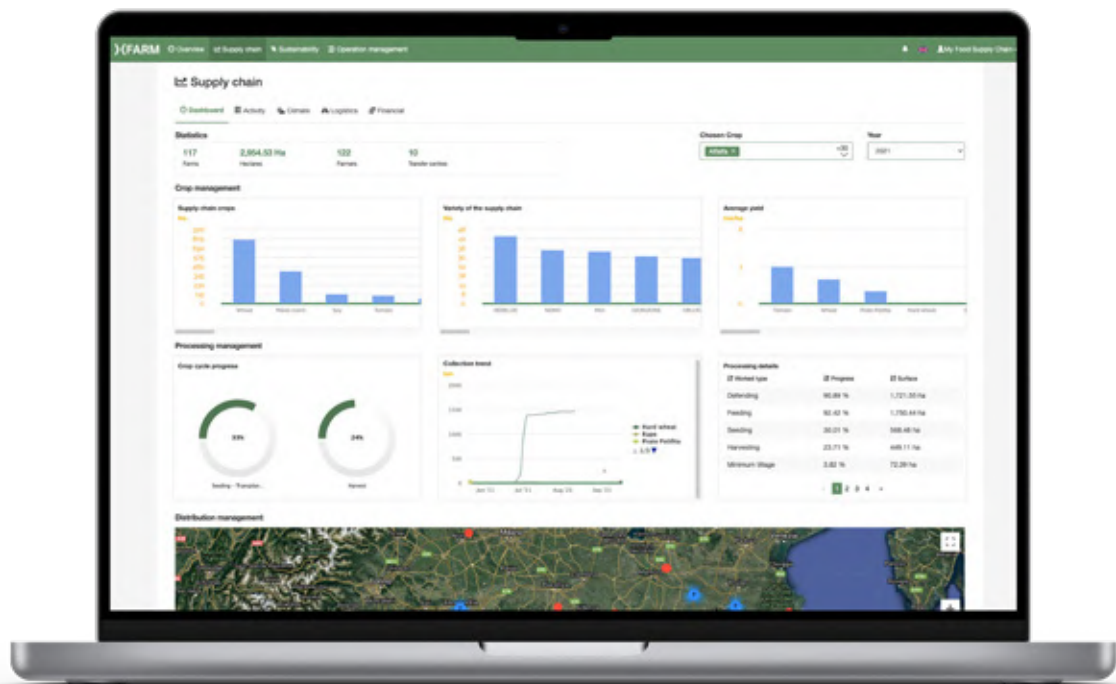
Automizes data collection, simplifies farming techniques and takes advantage of the Premium modules



XFARM ANALYTICS

The connected solution for maximum supply chain efficiency

xFarm's **digital ecosystem** allows you to pair a connected dashboard **suitable for professional management with the farmer's platform**. You will therefore be able to share data, reports and analysis with associated farming businessmen, while benefiting from **supply chain digitalization**.



Main functionalities

- **Global view:** positioning map of associated farms and their parcels of land
- **Corporate communication:** sending warning messages to farmers, for prevention and organization
- **Working status:** summarized graphics on the overall state of work both in the field and for restocking
- **Production indexes and graphics:** tables and charts for monitoring key parameters
- **Weather and forecasting models:** uses field and weather data for preventive forecasting models
- **Satellite scouting:** displays the land parcels connected via multi-spectral satellite mappings



Intuitive dashboard: designed to simplify data consultation



Regulations and quality: verifies that companies are following your indications



Integrates IoT sensors: displays the data collected by the xFarm sensors



Field traceability: enhances the product in an engaging way



THE 5 OBJECTIVES OF PROJECTS 4.0

After years of work in the sector, we have identified five pillars for the digital transformation of agrifood supply chains. These are five critical areas that can be involved in different digitisation projects. Thanks to the modularity of our services, it is possible to carry out an analysis of the project objectives, in order to choose which specific topics will have to be implemented to ensure a concrete and successful project.



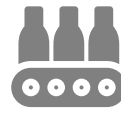
Farms



Technical Service



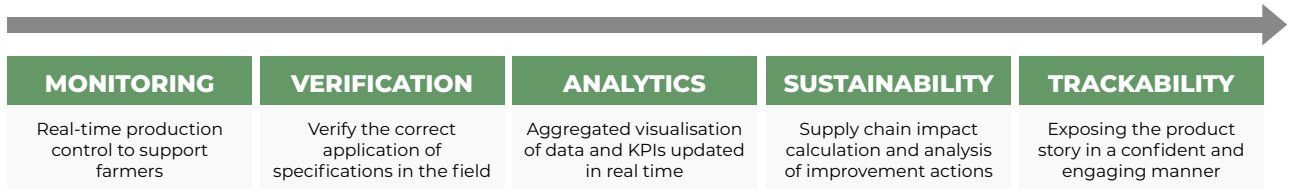
Stackers and Coop.



Food companies



Consumatore



Sustainability

xFarm uses certified and ISO14040-compliant modelling and calculators to attribute the weight of each recorded activity, relating it to yields and agronomic strategies, in order to identify good agricultural practices, the most virtuous farms, and share data with the consumer to enhance environmental compliance.

For further information on our solutions for the agri-food supply chain visit www.xfarm.ag or contact our sales department

NOTES



CATALOGUE

PLATFORM AND SERVICES

The complete catalogue of the xFarm offering for agricultural operations: the platform and its basic functions, advanced premium modules and interconnected sensors

xFarm Offices

xFarm Technologies Italia srl - Milano, Italia

xFarm Technologies SA - Manno, Svizzera

xFarm Technologies Ibérica SL - Barcellona, Spagna

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