Smart Agro

Product information

Smart Agro Goals

Crop Yield

Optimize planting, irrigation, and fertilization by implementing precision agriculture practices, using advanced technologies and data analytics to make informed decisions about when and where to plant, irrigate, and fertilize, leading to increased crop yield and sustainability.

Automated Farm Management

Reduce operating costs by automatically controlling resource allocation and managing work orders, using automation and AI to ensure resources are used efficiently and work orders are managed effectively,

Efficient Resource Management

Receive real-time updates about your crops' yield, weather conditions, external risks, and operational tasks, using sensors and data analytics to monitor crop health and environmental conditions, and AI to predict and manage risks, ensuring optimal farm management and productivity.

Improved Administrative Tasks

Simplify compliance with agricultural regulations by replacing traditional paper-based notebooks with an advanced software application, using digital technology to streamline administrative tasks, making it easier to track and report farming activities, ensuring compliance with regulations, and reducing the administrative burden.

AI Agro Unifier

Tupl's AI Agro Unifier uses AI to obtain a 360º vision of the farm

AI Agro Unifier is a control and digitalization solution that adds value to all the processes of your agricultural activity.

AI Agro Unifier revolutionizes your operations by digitizing and efficiently managing your data, delivering unparalleled clarity and streamlining internal processes.

Our solution adds value across all levels of your organization, from digitizing Excel spreadsheets to streamlining treatment orders and providing predictive production curve calculations. We go beyond cost control by capturing the results of each operation tied to a work order, ensuring comprehensive tracking and optimization of your agricultural endeavors.

Key benefits

- **Control of Operational Costs:** The solution helps controlling the operational costs associated with farming.
- **Real-Time User Interface:** It provides a real-time user interface for immediate updates and alerts.
- **Generic & Flexible Platform:** The platform is generic and flexible, allowing for customization based on specific needs.
- **Fast Creation of Use Cases:** It enables fast creation of use cases for different scenarios.
- **Optimized Crop Management:** The solution optimizes crop management through automation, tracking farmers' progress, and conducting thorough analysis of final reports.

Key features

- **Integration and Control**: The solution integrates and controls all processes of your agricultural activity.
- **Data Management**: It digitizes and efficiently manages your data, delivering unparalleled clarity and streamlining internal processes.
- **Operations Control**: Provides control of operations at the field level, with the ability to monitor, streamline, and manage any work order.
- **Production Cost Control**: It keeps an accurate and updated control of production costs.
- **Automatic Data Update**: The crop data is automatically updated on the platform.
- **Improved Decision-Making**: The solution improves farmers' decision-making through conclusions from operations control and results analysis.
- **Synchronization of Operations**: It synchronizes digital field journal operations.
- **Optimal Management**: Technicians can observe and compare metrics, predictive, current, and historical climatic data.

Agro Advisor

Artificial Intelligence at the service of the technician

Tupl Agro Advisor solution is a comprehensive and innovative platform designed to revolutionize agricultural management. It combines cutting-edge technology with agricultural expertise to provide farmers with actionable insights and guidance. With features like real-time monitoring, customized recommendations, and direct communication channels, **Tupl Agro Advisor** empowers farmers to optimize their farming practices, mitigate risks, and increase productivity.

Agro Advisor strives to simplify the lives of farmers by providing them with convenient and organized access to essential crop data.

The solution effectively addresses the challenges associated with task management, enabling farmers to track completed tasks, monitor resource utilization, and identify requirements for optimal crop care.

"Agro Advisor provides me with immediate information, prevention tips, ease of use and interpretation, and cost savings."

"With Agro Advisor we have managed to improve the yield of our olive grove."

"I am impressed by the ease and usefulness of Agro Advisor; I can quickly see the state of my 200 ha of olive grove every week, share it with my workers and tell them exactly what I want them to do."

Eduardo Ruiz
Farmer and manager of the olive company
Santa Concha S.L.

Key benefits

- **Real-Time Updates** on the crop yield of all your farms, work orders, technical issues, weather conditions, and more.
- **Easy Accessibility** platform for the manager to use and control all the farms at once glance.
- **Total Consistency** as it is a platform that maintains the quality of work.
- Uses AI for **High Predictive Accuracy** of the crop yield, resource management, or external diseases.

Key features

- **IoT Device Integration** captures satellite and other sensors' data and applies it to individual crops to monitor results over time.
- **Integrated GIS** (Geographical Information System): It includes analysis of weather stations, satellite and numerical data, optimization of resources, and the use of mathematical models for early warnings.
- **Objective real-time information about your farms**: It provides up-to-date and personalized information on your farms throughout the growing season.
- **Easy Accessibility for the Technician** to manage the work orders of your farmers optimally and efficiently and to generate technical reports and share them with your associates.
- **Deep Analysis for Technicians**: Technicians can perform a deeper analysis in Agro Advisor. They can manage their farmers optimally, observe and compare metrics, predictive, current, and historical climatic data.

Agro Advisor + WhatsApp

Support for decision-making and identifies impacts on your farms

Agro Advisor + WhatsApp is an innovative solution that merges digital transformation with agriculture.
By leveraging **WhatsApp** messages, farmers can receive automated updates pertaining to their crops. These messages encompass a wide range of information, including weather alerts, pest management recommendations, agronomic guidance on irrigation and fertilization, as well as risk notifications.

Our solution is designed to foster seamless and unrestricted communication between farmers and our platform. With **Agro Advisor + WhatsApp**, enjoy real-time monitoring, direct connectivity with your technician, and personalized farm information.

Our goal is to simplify the lives of farmers, providing them with an effortless and customized experience.

"I have finally found a real step towards agricultural digitalization."

Eduardo Ruiz
Farmer and manager of the olive company
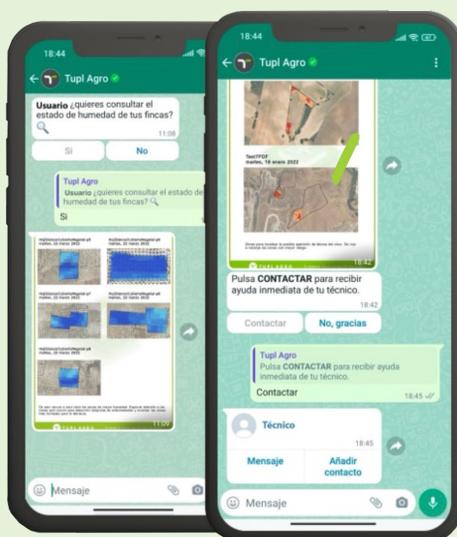*Santa Concha S.L.*

Key benefits

- **Real-Time Updates:** The solution provides real-time alerts, risk assessments, and agronomic recommendations directly on your WhatsApp.
- **Fast and Direct Communication** between the farmer, the technician, and Tupl's solution.
- **Total Consistency** and **High Predictive Accuracy**: The tool uses satellite detection and weather forecasts to identify risk conditions for diseases and pests in the crop.

Key features

- **Customized Recommendations**: It provides relevant farm and agricultural sector information, and customized recommendations for each farm.
- **Agronomic Maps and Risk Zones**: It facilitates the location of the most risk-prone areas and a more precise and sustainable agronomic management. Allows you to notify your technician. Also, for any other alert or risk, the farmer can immediately contact his technician.
- **Alerts and Risks Notifications**: Risks are generated when there are optimal conditions for the development of diseases and pests. Alerts are generated when future weather conditions affecting agricultural actions are detected.
- **Two-Way Communication System**: The solution includes a two-way channel between the farmer and Agro Advisor + WhatsApp. This communication system uses buttons to request crop information
- **Product and Service Offerings**: The tool provides alerts, risks, and agronomic recommendations throughout the agricultural season. It also offers product and service offerings relevant to your activity.
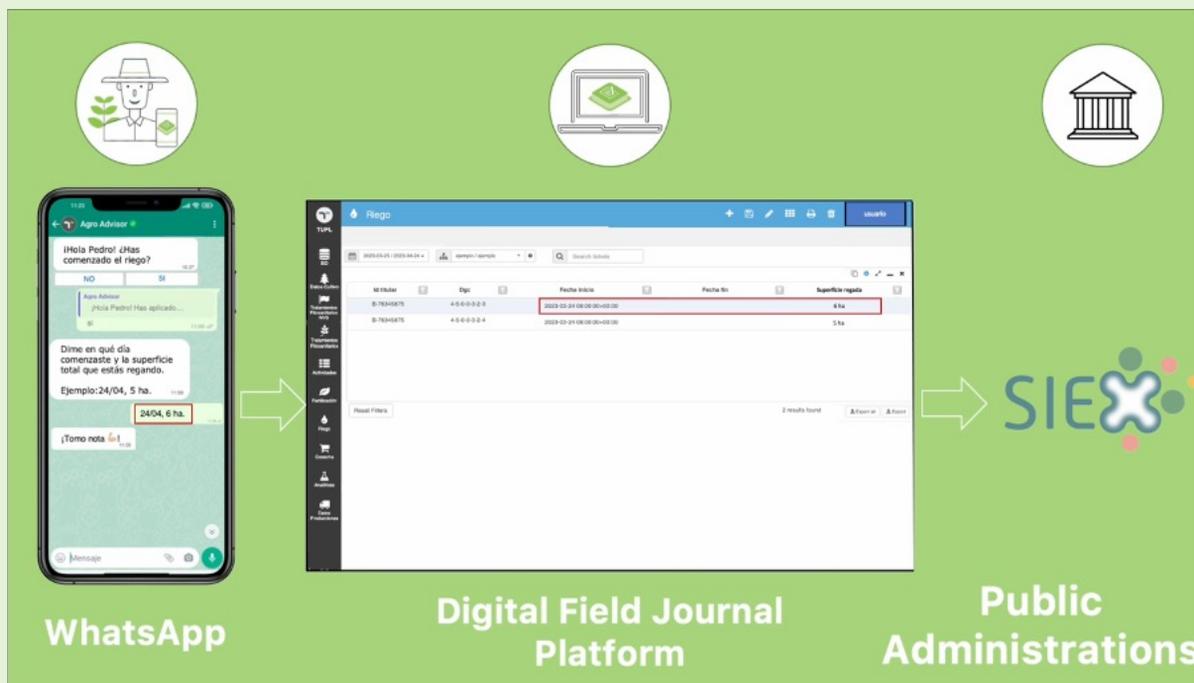

 TUPL

Operations made simple with AI

Digital Field Journal

Gather all the necessary information from farmers about their crops

The Digital Field Journal revolutionizes agricultural record-keeping by replacing traditional paper-based notebooks with an advanced software application. It empowers farmers to efficiently record, manage, and analyze crucial agricultural data and activities through WhatsApp messages. From crop planting and field observations to pest and disease management, weather conditions, and more, this comprehensive solution enables seamless input, storage, and retrieval of essential information.

Our **Digital Field Journal** simplifies compliance with agricultural regulations by leveraging our user-friendly WhatsApp system. This solution accelerates the data collection process from your crops into Tupl Agro's digital field journal, ensuring effortless monthly uploads to **SIEX** without any concerns.

WhatsApp

Digital Field Journal Platform

Public Administrations

Key benefits

- **Digitalization:** Easily digitize your paper handbook to a digital platform gathering all data in a reliable and secure datasheet.
- **Real-Time Upload:** The tool helps farmers upload and update all necessary field data that needs to be collected from the field required to be uploaded by the administration (SIEX).
- **Less Manual Labor**: Automatically fill up your documents with our WhatsApp service without the need to access to the platform yourself.
- **All-in-One Platform**: Use the Digital Field Journal to collect all the information from your crops, regulate your work, and be compliant with the current administrative rules.

Key features

- **WhatsApp Chatbot:** Tupl's Digital Field Journal uses a WhatsApp Chatbot to gather all the necessary information from farmers about their crops.
- **Automatic Filling:** The field journal is automatically filled through WhatsApp, reducing the manual labor required in traditional methods.
- **Integration with Other Databases:** The tool can connect with external databases to facilitate the automation of the field notebook.
- **Automatic Upload to SIEX:** All actions taken on farms are stored, validated, and uploaded automatically and periodically sent (monthly) to the SIEX (Sistema de Información de Explotaciones Agrarias).
- **Accessibility for Technicians:** Technicians can easily and quickly review, add, and/or modify data provided by farmers through the platform.