

Note: Screenshots are for illustrative purposes only. The software interface is fully available in English.

## FROM SEEDBED TO FIELD: EFFICIENCY AND AGRICULTURAL PROFITABILITY

Digitize every task to transform pre-harvest and field operations into **reliable data**. Manage **labor, machinery, and costs** with precision, boost **productivity**, and ensure **traceable processes** across the entire operation.

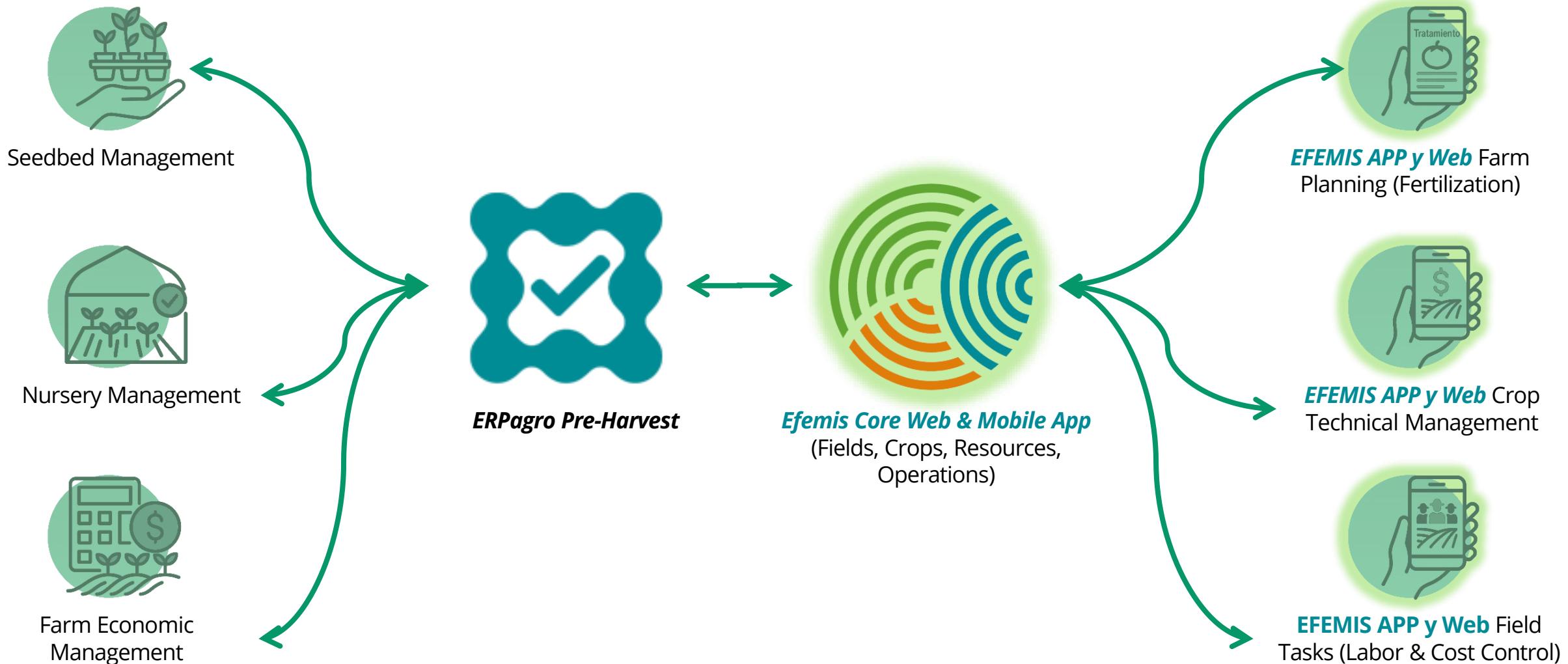


Smart solutions for the modern agricultural field.

# ERPagro + Efemis Modules and Apps | Pre-Harvest and Field Operations

**Integrated solutions** that turn the management of **seedbeds, nurseries, and field operations** into **reliable data**.

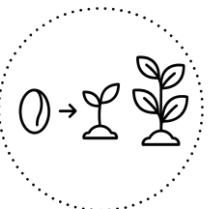
Connects the field with **plans, crops, costs, and resources** to ensure **control and full traceability from the seed onward**.



# Seedbed Management

**Objective:** Plan, record, and oversee the entire plant propagation process, ensuring traceability, quality, and order fulfillment.

Designed for plant producers, nurseries, and growers with their own seedbed operations.



**Complete Seed Traceability:** track seed entries, batches, and varieties.



**Batch Production Control:** manage sowing, irrigation, and treatments.



**Accurate Sowing Planning:** by species, variety, area, and season.



**Digital Order Management:** with automated production orders.



**Document Automation:** shipping notes, invoicing, and returnable materials.



**Production and Efficiency Reports:** exportable and integrated with BI tools.



# Nursery Management

**Objective:** Control the entire production process to reduce losses and ensure traceability and real unit costs.

Designed for plant producers and nursery managers responsible for seedling development and transplant readiness.



**Production and Logistics:** Record cuttings, pruning, transplanting, and irrigation activities.



**Operational Traceability:** Track the origin, activities, and responsible personnel for each batch.



**Costs and Profitability:** Calculate unit cost per plant or batch, with real-time financial visibility.



**Locations and Movements:** Manage and control greenhouses, benches, and field plots.



**Real-Time Inventory and Orders:** Process manual or automated orders with synchronized inventory updates.



**Forecasts and KPIs:** Generate volume forecasts and BI-driven performance reports.



# Farm Economic Management

**Objective:** Determine the actual production cost, analyze deviations, and maximize the profitability of each crop or season.

Farm directors, financial managers, and field operation administrators.



**Accurate and Real Costs:** by crop, field, or farm block.



**Clear and Unit Profitability:** to identify the most profitable crops.



**Dimensional Analysis:** margins and comparative reports by farm, client, or season.



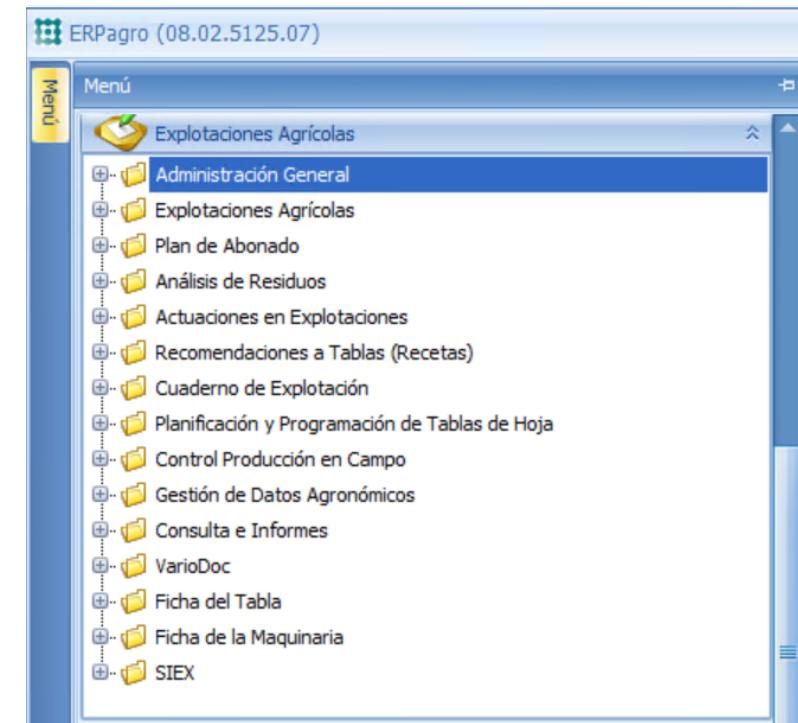
**Budget Management:** with deviation alerts and variance tracking.



**Exportable Analytical Reports:** in PDF, Excel, or BI dashboards.



**Predictive Economic Forecasts:** with "what-if" scenario simulations.



**Objective:** Manage the entire farming operation — including fields, crops, resources, work orders, costs, planning, traceability, reports, and analytics.

Farm directors, administrators, and planning managers.



**Field Mapping:**  
management of zones, fields, and subfields with detailed technical and financial data.



**Crops and Seasons:**  
Control of costs, consumption, and yield forecasts.



**Master Data:** unified registry of species, varieties, nurseries, and warehouses.



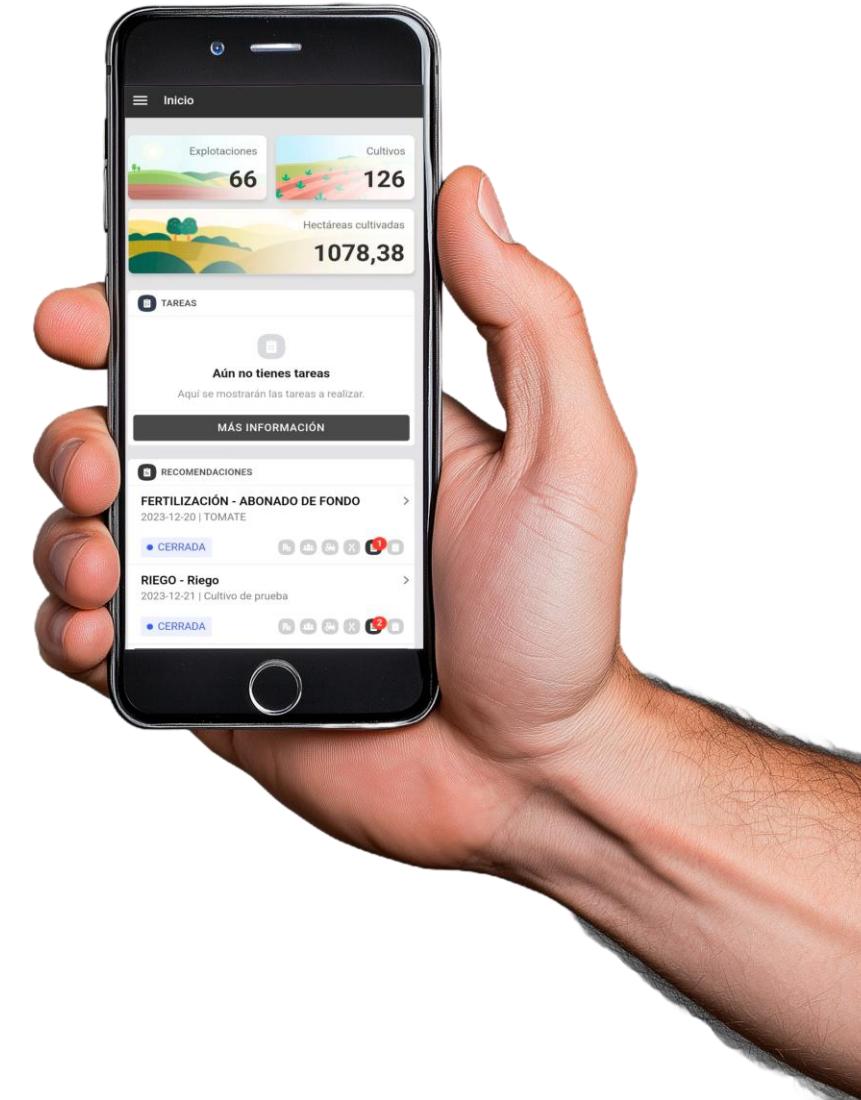
**Work Orders:** planning and tracking of tasks, resources, and inputs.



**Resources:** real-time control of workers, machinery, and materials.



**Recommendations:**  
optimization of fertilization, irrigation, and treatment plans.



# EFEMIS Farm Planning (Fertilization)

**Objective:** Design, manage, and control nutritional, production, contractual, and strategic plans.

Agronomy technicians, crop nutrition managers, farm administrators, and management teams.



**Plan Creation:**  
Nutritional, production, and contractual plans by crop, field, or season.



**Harvest Forecasting:**  
Based on actual and planned planting data.



**Budgets and Consumption:**  
Control of costs and projected margins.



**Contract and Certification Management:**  
Ensures regulatory compliance and audit readiness.



**Automated Recommendations:**  
Application rates and timing based on the defined agronomic strategy.



**Comparative Reports:**  
Planned vs. actual results to evaluate performance effectiveness.



# EFEMIS Crop Technical Management

**Objective:** Execute field recommendations, record georeferenced data, and optimize input usage.

Agronomy technicians and field supervisors.



## Georeferenced Management (even offline):

Automatic synchronization as soon as connection is available.



## Comprehensive Crop Protection:

Early detection of pests and alerts for quick decision-making.



## Digital Field Execution:

Work orders and task planning directly from mobile devices — no paper required.



## Optimization of Nutrition and Fertilization:

Precise plans that reduce input usage and improve yields.



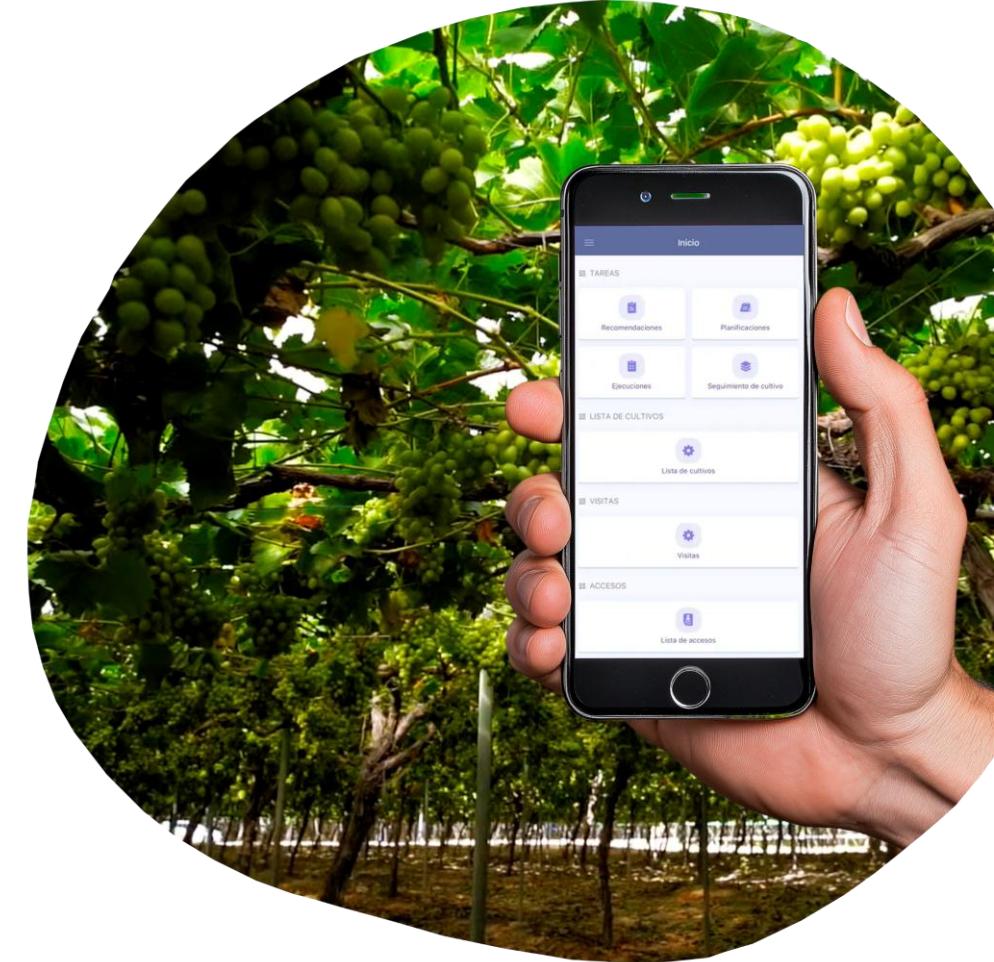
## Efficient Irrigation Control:

Manage sectors, tanks, and controllers with detailed summaries.



## Advanced Technical Monitoring:

Multispectral comparisons and real-time progress tracking.



# EFEMIS Field Tasks (Labor & Cost Control)

**Objective:** Record attendance, supervise crews, control resources, and measure productivity to optimize labor costs.

Field supervisors, cost managers, farm administrators, and payroll officers.



## Attendance Control:

Real-time registration using QR, biometrics, or smart credentials (NFC).



## Personnel and Work Order Management:

Assignment of crews, tasks, and activities.



## Productivity Measurement:

Individual performance tracking by crew or machinery.



## Resource Control:

Monitoring of machinery, materials, and man-hours.



## Digital Supervision:

Live progress monitoring with daily reports and alerts.



## Integration:

Connects with ERPPagro, Finance, HR, and Payroll modules to consolidate labor costs.



# EFEMIS Comprehensive Field Management

From field data capture to strategic decision-making, all within a single digital workflow.

- Efemis connects the field with strategic management.
- What used to be manual and scattered records is now real-time digital information.
- This data is automatically processed, turning it into clear and structured insights.
- Finally, the information is analyzed, generating indicators that enable managers and directors to make better decisions at the right time.



## Data Capture (Information)

1. Technicians and supervisors record field data directly using EFEMIS (e.g., mobile app).
2. Tasks, resources, yields, and observations are digitized, eliminating manual entry.

## Data Processing

1. Recorded information is centralized within the ERPagro platform.
2. The system automatically processes data such as costs, labor hours, and applied inputs.
3. This creates a structured, reliable, and traceable database.

## Data Analysis (Indicators)

1. Processed data is transformed into visual reports and dashboards.
2. Key performance indicators are generated: costs per hectare, productivity per plot, and resource usage.
3. This enables real-time decision-making based on objective metrics.

# Data Sheets

Download the descriptive data sheets and explore in detail the features, workflows, and integrations of each module, app, and service.



 **ERPagro - Pre-Harvest**

 **Efemis - Field**

 **ERPagro – Post-Harvest and Packing**

 **ERPagro – Cross-Functional Business Management**

# Contact us for a Demo or Proof of Concept

At **Hispatec**, we are ready to partner with you on your agri-food digital transformation journey. Request a demo, and a specialized consultant will contact you (in English) to schedule a personalized session. We bridge the gap with seamless remote support.

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