

SMART DIGITAL FARMING MANAGEMENT

Manage your vehicles, Fields, tasks and operations from one intelligent platform.



Live Fleet Tracking

Field Management



Operation Planning

Report & Analysis



AI-Powered Agriculture



Visit Website 

Get to know Farmavil better. Boost your agricultural productivity straight away.

WHAT IS FARMAVIL?

Farmavil is a smart digital farming platform designed to help agricultural businesses manage vehicles, fields, task, teams and operational data from a single digital environment.

It gives farm managers real time visibility over field activities and helps teams plan, monitor and optimize daily operations.



Field Mapping



Define and manage your production areas digitally.



Satellite Analysis



Monitor field health and vegetation changes with visual data.



Weather Insights



Plan operations with real-time weather and field condition data.



Multi-Device Access



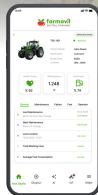
Access Farmavil from web, tablet and mobile devices wherever you are.



AI-Powered Support



Get smart assistance for plant analysis, field notes and operational guidance.



Fleet & Asset Management



Manage vehicle details, maintenance status, usage data and field readiness.

KEY MODULES



Satellite Live Map

- View active vehicles, processed areas, planned operations and drone activities on an interactive map.



Field Management & Alert

- Define agricultural areas on the map, manage field boundaries and plan operations for each production area.



Drone & Area Monitoring

- Use drone-supported field visibility to monitor large areas, processed zones and operational progress.



Task & Operation Management

- Create tasks, assign vehicles and teams, follow progress and keep daily operations organized.



Weather Station

- Real-time climate data to monitor conditions, plan field operations and make smarter decisions.



AI Reports & Analytics

- Analyze vehicle usage, field performance, task progress and operational efficiency with clear reports.



Vehicle Management

- Add tractors, harvesters and other vehicles to the system. Track their status, usage and operational details.



Weather & Field Conditions

- Follow weather updates and field indicators to support better planning and timely decisions.



Maintenance & Service

- Manage maintenance schedules, monitor vehicle readiness and reduce operational downtime.



Team Coordination

- Keep vehicle operators, field teams and managers aligned through a centralized operation flow.

Key Benefits



Real-Time Visibility

See everything as it happens across your fields and fleet.



Better Coordination

Keep teams, vehicles and operations aligned from one platform.



Improved Efficiency

Reduce delays, optimize resources and get more done every day.



Smarter Decisions

Use data and insights to plan better and act with confidence.

MORE SCREENS

FARM OVERVIEW

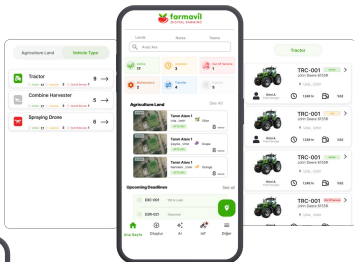
Monitor fields, vehicles, alerts and upcoming tasks from one central screen.

VEHICLE CATEGORIES

Organize tractors, harvesters and drones by type for easier fleet control.

FLEET TRACKING

Track vehicle status, location and operational readiness in real time.



ATTACHMENT LIBRARY

Manage tractor attachments, seeders, sprayers and field equipment in one place.

EQUIPMENT DETAILS

Review attachment information, service history and maintenance status instantly.

ISSUE REPORTING

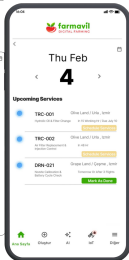
Report field, vehicle or equipment problems with photos and detailed notes.

SERVICE SCHEDULE

Follow upcoming maintenance tasks and keep vehicles ready for operation.

SERVICE REPORT

View completed maintenance/inspection notes and service history.



FROM FIELD DATA TO SMART DECISION

WHAT IS MO 720 TELEMETRY DEVICE?



CANBUS Data Reading

Read ECU data, motor diagnostics, fault codes and fuel consumption data.

Cellular Connectivity

Ensure interrupted data transmission via 2G/3G/4G connectivity.

Live Location Tracking

Monitor location, speed, mileage and vehicle movement through GNSS.

I/O Support

Enable broad integration through digital analog inputs, digital outputs and pulse inputs.



DATA SOURCES

EDGE LAYER

FARMAVIL CLOUD

APPLICATIONS



Soil & Water Sensors

Moisture, EC, pH, Pressure, Flow Rate



Weather & Satellite Data

Weather Station, NDVI, NDMI, NDWI



Greenhouse & Actuator Systems

Climate Control, Irrigation, Valves, Pumps



Tractor & Implement Data

CAN/J1939, GPS, IMU, Diagnostics

Iot Gateway / Edge Controller



Battery Charging



NB-IoT / LTE-M / LoRa



Wi-Fi / BLE Connectivity



CAN BUS & Local I/O



Local Rules & Fail-Safe Control

Device Management



Analytics & Alerts



Data Storage



Processing



Reporting



AI Analysis



Farm App

Maps, Alert, Tasks, Recommendations



Smart Solutions

Valves, Pumps, Greenhouse Controls



OEM Fleet Portal

Service, Diagnostics, OTA Updates



Insurance Module

Risk Scoring, Claims API

CLOUD PLATFORM

Collect Connect Control



Data Ingestion & Storage

Data Processing

Analytics & AI Engine

Alert & Notifications

APIs & Integrations

DATA SOURCES

Farmavil connects multiple data sources from across the field to turn complex data into actionable insights.



MAKERSAN MO 720 TELEMETRY

Vehicle location, CANBUS data, Working hours and machine activity.



3RD PARTY CLIMATE STATIONS

Temperature, humidity, rainfall, wind and disease risk data.



SOIL & WATER SENSORS

Soil moisture, EC, pH and irrigation related measurements.



IOT FIELD DEVICES

Gateway, irrigation controllers, greenhouse systems and other connected equipment.

PROCESSES YOU CAN MANAGE WITH FARMAVIL



| Vehicle Tracking

Monitor agricultural vehicles in real time.

| Field Planning

Define and organize agricultural areas digitally.

| Task Assignment

Assign tasks to teams and vehicles.

| Progress Monitoring

Track how much work has been completed.

| Maintenance Follow Up

Keep vehicles ready for operation.

| Alert Management

Stay informed about critical situations.

| Reporting

Analyze performance and operational data.



THE VALUE FARMAVIL BRINGS



Less Manual Tracking

Reduce paper based field tracking and fragmented communication.



More Control

Keep vehicles, teams and operations under one digital structure.



Faster Decisions

access real time information when operational decisions are needed.



Resource Usage

Use vehicles, time and field resources more efficiently.



Scalable Structure

Manage multiple fields, vehicles and teams as your operation grows.