



360 Farm Enterprise

Digital Transformation
of Complex Farm Operations

AGRIVI 360 Product Family

Digital Agriculture Solutions



Farm Insights

Easy-to-use
farm management
software

**SMALL and
MEDIUM-SIZED FARMS**



Farm Enterprise

Comprehensive
farm management
platform

**ENTERPRISE FARMS
and FARM HOLDINGS**



Farm Advisory

Advisory farm
management
platform

**INPUT MANUFACTURERS and
AGRONOMIC ADVISORS**



Ag Supply Chain

Supply chain
management
platform

**FOOD, BEVERAGE
and RETAIL companies**

A portfolio of products matching agri-food industry needs built on our CORE farm management platform.

Access your farming data anywhere, anytime, from any device.



COMPUTERS



TABLETS



SMARTPHONES

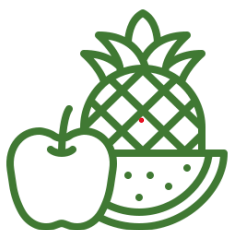


OFFLINE MODE



**AVAILABLE AS WEB
AND MOBILE APPLICATION**

AGRIVI customers in 50+ countries grow over 200+ different crops.



FRUIT



VEGETABLE



GRAIN



OTHER PLANTS

**ALL CROPS WITHIN
ONE PLATFORM**



Global Presence and Localized Experience



LANGUAGES

User interface and product manuals available in over 15 languages.



CURRENCIES AND UNITS

All global currencies available. Platform supports metric and imperial measurement units.



LOCAL PRODUCTS

Built in database of commercial fertilizer and crop protection products with possibility to add local products.



LOCAL PEST ALERTS

Pest alarms for pests present in the country. Pest models calibration by region.



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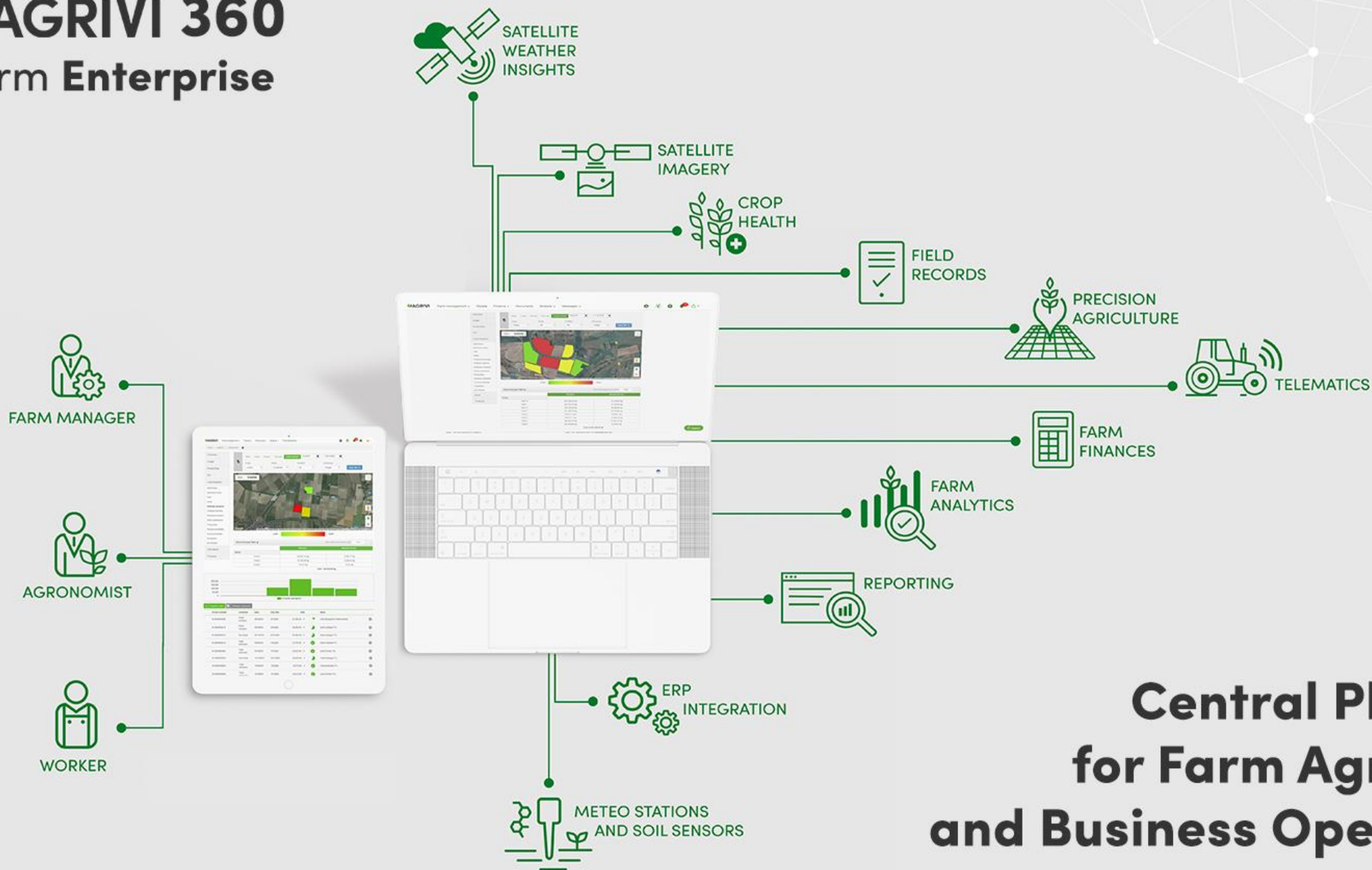
Supply chain
management
platform

**FOOD, BEVERAGE
and RETAIL companies**

Comprehensive farm management platform focused on delivering real-time business and agronomic insights to big enterprise farms.

AGRIVI 360

Farm Enterprise



**Central Platform
for Farm Agronomy
and Business Operations**

No More Papers. No More Excel.



Farm resource management.



FIELDS



MACHINERY



FARM WORKERS



WAREHOUSES

**ALL FARM DATA
ON ONE PLACE**



The Roadmap to Success: From Planning to Successful Execution



CROP PLAN

Overview of all fields and crop rotation over time to simplify the crop planning process for the season.

Category / Item	QUANTITY				AMOUNT			
	Budget	Actual	Var	Var%	Budget	Actual	Var	Var%
Abouit	-	50.00 Kg	50.00 Kg	100 %	1,200.00 EUR	1,200.20 EUR	88.20 EUR	7.35 %
Helle bonne	10,875.00 Kg	-	-10,875.00 Kg	-100 %	380,625.00 EUR	-	-380,625.00 EUR	-100 %
Mikrosol A-makro solar fertilizer	1,500.00 L	1,600.00 L	100.00 L	6.67 %	52,500.00 EUR	56,000.00 EUR	3,500.00 EUR	6.67 %
NPK (20-15-15-15) (Petrokemija d.d.)	-	100.00 Kg	100.00 kg	100 %	-	548.00 EUR	548.00 EUR	100 %
NPK 15-15-15 (Petrokemija d.d.)	-	700,000.00 Kg	700,000.00 Kg	100 %	360,000.00 EUR	336,000.00 EUR	-24,000.00 EUR	-6.67 %
NPK 7-20-30 (Petrokemija d.d.)	612,250.00 Kg	-	-612,250.00 Kg	-100 %	244,900.00 EUR	-	-244,900.00 EUR	-100 %
Urea (Shatchem)	-	200,000.00 Kg	200,000.00 Kg	100 %	50,000.00 EUR	70,000.00 EUR	20,000.00 EUR	40 %

FINANCIAL BUDGET

Financial planning of all inputs, work and services for the season per crop. Budget vs actual analysis in real time.

Planned Activity	Production type	Categories	Order
<input type="checkbox"/> Fertilizing with manure	Conventional production	Fertilizing	0
<input type="checkbox"/> Sowing	Conventional production	Planting	1
<input type="checkbox"/> Basic fertilization	Conventional production	Fertilizing	2
<input type="checkbox"/> Pre-sowing fertilization	Conventional production	Fertilizing	3
<input type="checkbox"/> Sowing	Conventional production	Planting	4
<input type="checkbox"/> Weed protection	Conventional production	Protection	5
<input type="checkbox"/> Fertilizing with mineral fertilizers	Conventional production	Fertilizing	6
<input type="checkbox"/> Sowing	Conventional production	Sowing	7
<input type="checkbox"/> Disease protection	Conventional production	Protection	8
<input type="checkbox"/> Insect pest protection	Conventional production	Protection	9
<input type="checkbox"/> Irrigation	Conventional production	Irrigation	10

SEASON AGRONOMY PLAN

Production plan with planned field activities throughout the season. Defined agronomic instructions for each activity.

Work order name	Categories	Start date	End date	Responsible	Fields
Fertilizing with manure	Chemical analysis, Fertilizing	10/29/2021	10/31/2021	Florin Balan	Field 11, Field 13, Field 2, Field 3, Field 5
Basic fertilization + protection	Fertilizing, Irrigation, Protection	11/01/2021	11/01/2021	Bogdan Caciuc	Field 11, Field 13, Field 2, Field 3, Field 5
Pre-sowing fertilization	Fertilizing	11/22/2021	11/24/2021	Alina Dalcu	Field 11, Field 13, Field 2, Field 3, Field 5
Sowing	Planting	11/22/2021	11/24/2021	Bogdan Caciuc	Field 11, Field 13, Field 2, Field 3, Field 5
Weed protection	Protection	11/05/2021	6/05/2022	Alina Dalcu	Field 11, Field 13, Field 2, Field 3, Field 5

DAILY WORK ORDERS

Daily activities plan per crop, field and worker with agronomic instructions. Work orders are delivered to workers via smartphone.

POWERFUL
PLANNING
CAPABILITIES



Monitor All Operations and Agro-Processes and Increase Efficiency



Labour
management



Soil
analysis



Soil
cultivation



Planting
/ seeding



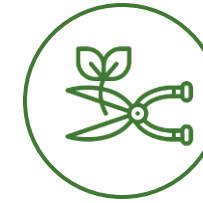
Fertilizing



Spraying



Irrigation



Maintenance



Harvesting

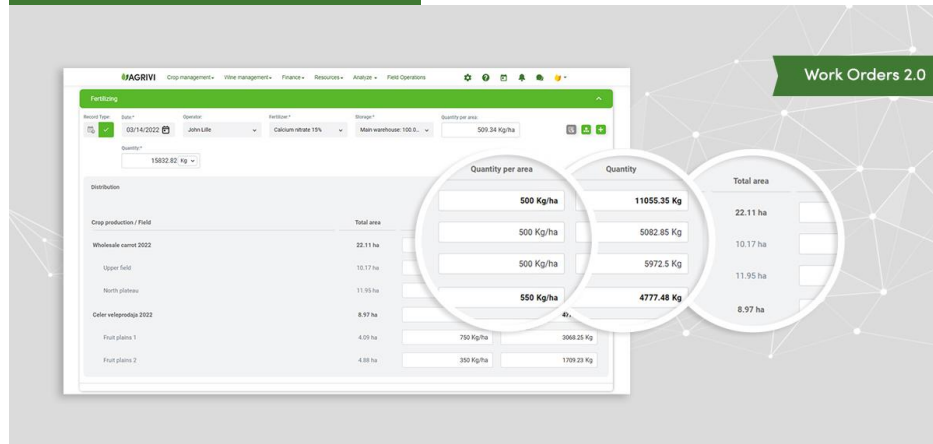


**PLAN, TRACK AND ANALYZE
COMPLETE CROP
PRODUCTION LIFE-CYCLE**

Streamline Tasks, Boost Productivity, and Digitize Workflow



WORK ORDERS

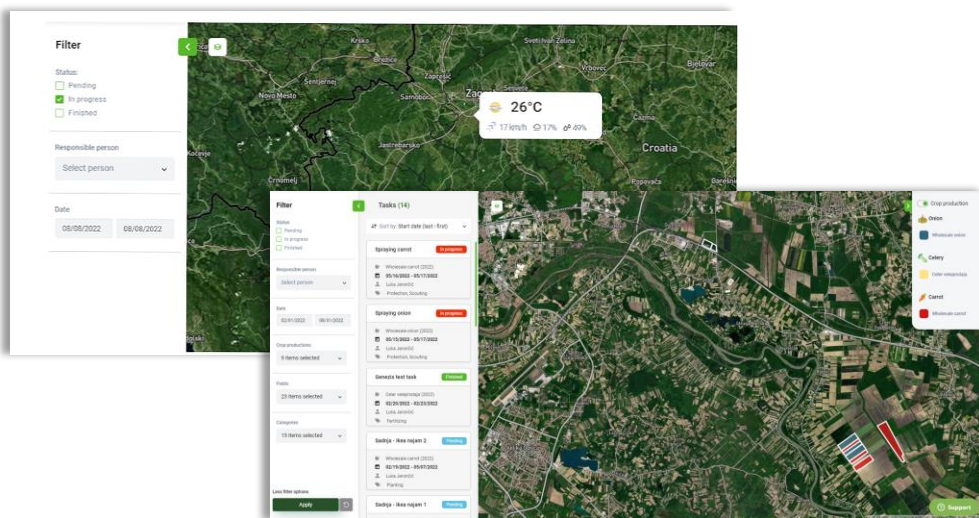


Create, Assign, and Monitor Several Tasks, Fields And Crop at Once, Seamlessly and in Real-Time

- Create recurring tasks for regular maintenance
- Set up alerts and notifications to keep everyone in the loop
- Attach important documents and photos to each work order
- Track and analyze planned vs actual activities



Boost Efficiency and Productivity With Powerful Field Operations Module

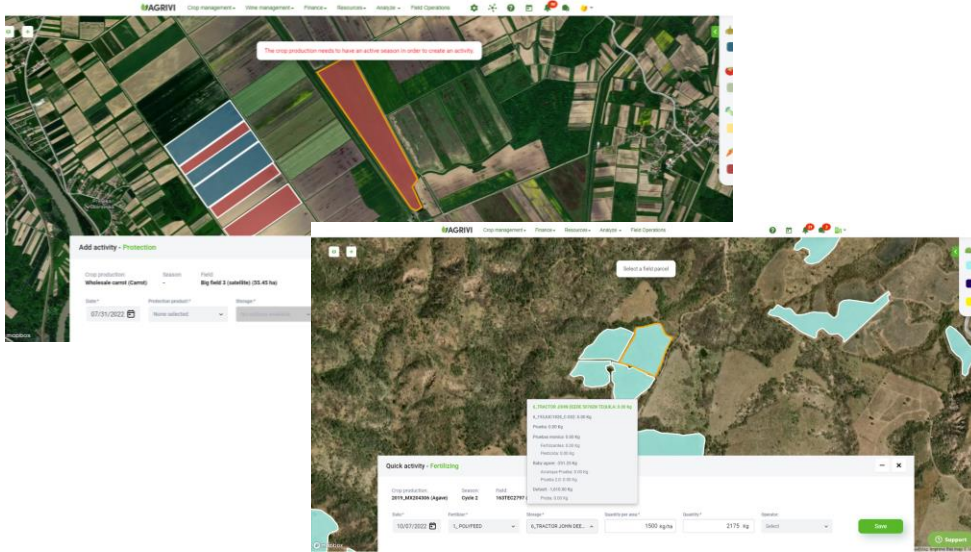


- ✓ Map-based visualization for work orders and field data
- ✓ Agronomical layers for better decision-making
- ✓ Detailed weather information for activity planning
- ✓ Vegetation indices visualized on multiple fields and scouting report
- ✓ A structured view of activities



• **FIELD OPERATIONS MODULE**

Record Task Immediately in the Field



- ✓ Simple to use, easy to understand
- ✓ Based on field operations module
- ✓ Enables users to record applied fertilizer, protection product, water or planting/sowing material
- ✓ Quick record in field just after job is done

WITH QUICK ACTIVITY RECORDS



Weather and Risk Intelligence at Your Fingertip



PRECISE WEATHER DATA FOR EVERY FIELD

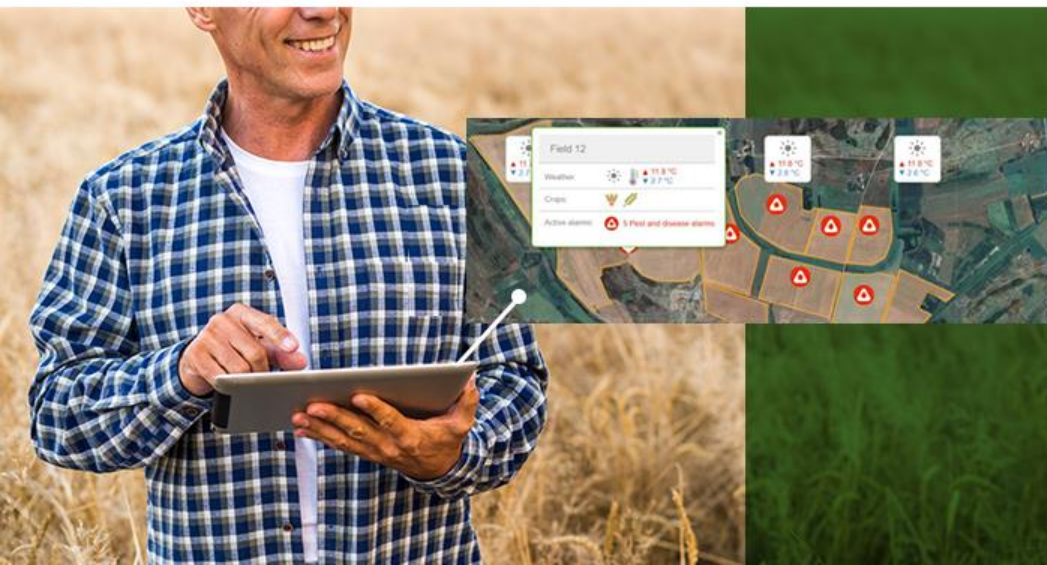
Plan your work based on actual weather conditions.

- ✓ 7-day weather forecast per field
- ✓ 3-year weather history per field
- ✓ Ability to connect to your weather stations
- ✓ Weather forecast updates every 3 hours
- ✓ Temperature, precipitation, wind speed, humidity

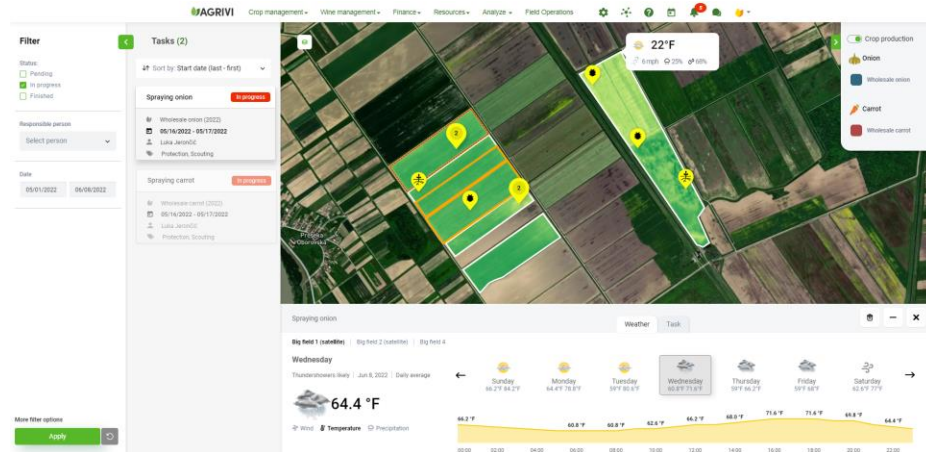
SMART ALARMS FOR WEATHER DISASTERS AND PEST RISKS

Protect your crops timely with automated risk alarms.

- ✓ Weather risk detection (hail, frost, etc.)
- ✓ Early pest risk alarms by field
- ✓ Customer-defined alarms based on internal know-how
- ✓ In-platform alarm notifications
- ✓ E-mail alarm notifications



Scouting Plans Based on Real-Time Insights

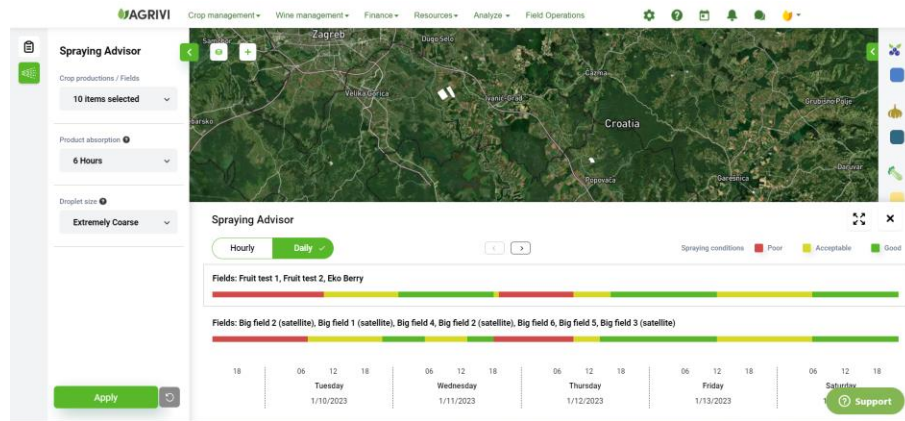


RECORD OBSERVATIONS FROM FIELDS VIA MOBILE APP

- ✓ Pest infection and development stage
- ✓ Drought, flood, frost and other damages
- ✓ Photo evidence with geo-tagging and notes
- ✓ Recording on-the-go via mobile app



The New Way of Planning Spraying Operations



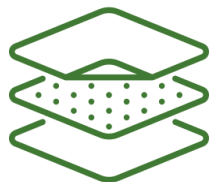
SPRAYING ADVISOR

- ✓ Determine the best time for planning the spraying activities based on crop, field, weather
- ✓ Recommendations 7 days ahead in the form of a color-coded timeline
- ✓ Integrated with Field Operations Module
- ✓ Saves time, energy, and money

**STATE-OF-THE-ART TOOL FOR IMPROVING
CROP SPRAYING EFFICIENCY AND
REDUCING COSTS INCLUDING DRIFTS
CALCULATION**



Optimize Input Application With Precision Agriculture



MULTI-LAYER MAPS

Prescription map creation based on 9 vegetation indices from satellites, soil and yield maps.



MANAGEMENT ZONES

Variable product distribution on up to 20 management zones per prescription map.



UPLOAD TO MACHINERY

Direct upload from AGRIVI to the machinery or export into file for USB use.

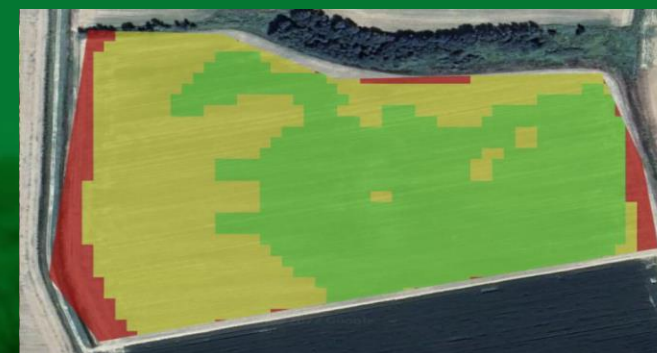


SIGNIFICANT SAVINGS

Save 20-40% of inputs with variable rate application.



Management zones ⓘ	<input type="text" value="3"/>	Rate	<input type="text" value="Kg/m2"/>
<input checked="" type="radio"/> Zone 1	<input type="text" value="0"/>	Kg/m2	
<input type="radio"/> Zone 2	<input type="text" value="0"/>	Kg/m2	
<input type="radio"/> Zone 3	<input type="text" value="0"/>	Kg/m2	



Comprehensive and Seamless Data Synchronization with ERP



INVOICE MANAGEMENT

Register sales and purchases easily. Upload invoice photos and access your finance documentation in a click.



PAYABLES AND RECEIVABLES

Monitor cash flow as payments come in and out. Receive alerts for payment due dates and ensure zero late payments.



CUSTOMERS AND VENDORS

Registry of all customers and vendors on a single place. Overview of all transactions with a customer or vendor.



LOAN MANAGEMENT

Register all farm loans and create loan payment plans. Monitor paid and remaining loan balance.



DASHBOARDS FOR INTERACTIVE ANALYTICS

- ✓ Yield analysis per field, crop and variety
- ✓ Crop profitability analysis (revenue, expenses, profits per crop)
- ✓ Field analysis (inputs, weather, work per field)
- ✓ Resource utilization analysis (machinery, people)
- ✓ Farm finance KPIs (profitability, return on investment, etc.)

REPORTS (EXPORT TO PDF AND EXCEL)

- ✓ Input usage report (fertilizers, pesticides, irrigation, etc.)
- ✓ Harvest report per crop and variety
- ✓ Farm finance reports
- ✓ Reports for certification (Global GAP, ISO)
- ✓ Reports for authorities



Market Your Products with Traceability Dashboard

MARKET YOUR PRODUCE AS PREMIUM

- ① Generate QR code for harvested produce
- ② Put QR code on your produce packaging
- ③ Consumers can scan QR code on packaging
- ④ Traceability data is shown on a mobile web together with crop protection product compliance

TRACEABILITY DATA

- ✓ Resources used (work hours, fuel, irrigation)
- ✓ Crop nutrients applied (nitrogen, ..)
- ✓ Active substances applied
- ✓ Nutrition data (calories, protein, carb, fat)
- ✓ Field location on a map
- ✓ Photos of the farm



Sync Your Sensors through AGRIVI IoT API for More Insights



METEO AND CLIMATE SENSORS

- ✓ Automated collection of real-time climate data from fields
- ✓ Temperature, humidity, wind-speed, solar radiation, etc.
- ✓ Geo-tagging of weather stations in FMS
- ✓ Analyze current and historical weather data

SOIL SENSORS

- ✓ Automated collection of real-time soil condition data from fields
- ✓ Soil moisture, temperature, electro-conductivity, etc.
- ✓ Geo-tagging of soil sensor locations in FMS
- ✓ Analyze current and historical sensor data

Metos, Meteobot and Syswin meteo and soil sensors are pre-integrated with AGRIVI IoT API.



Connect Machinery and Optimize Fleet Management for Maximum Efficiency



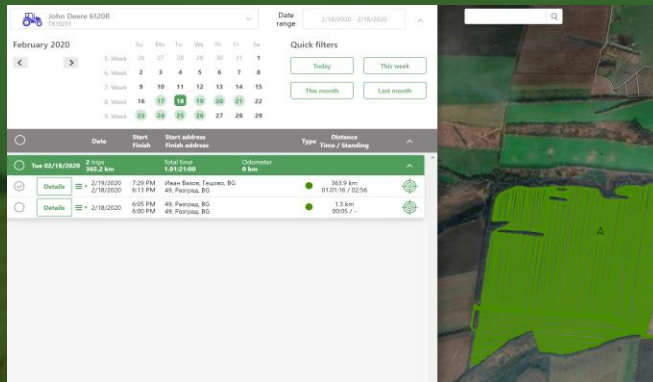
REAL-TIME MONITORING OF FARM MACHINERY

- ✓ Track your farm machinery and other vehicles in real-time
- ✓ Map overview of all machines, trips and movements
- ✓ GPS, work hour and fuel tracking
- ✓ Achieve cost savings and control over machinery utilization

AUTOMATED MACHINERY DATA COLLECTION

- ✓ Automated synchronization with Agrivi FMS
- ✓ Auto-detection of time and fuel spent on each field and on trip
- ✓ Assign machinery logs to work orders
- ✓ Reduce manual entry and eliminate human error
- ✓ Ensure accurate machinery cost accounting per activities

Fleet management solution consists of monitoring module and physical devices that connect to a machine via CANBUS.



Integration With 3rd -party Systems



OPEN INTERFACE FOR INTEGRATION

- ✓ Meta-data synchronization (items, personnel, machinery, fields)
- ✓ Items and stock levels synchronization in real-time
- ✓ Work orders data synchronization by field and crop for accounting
- ✓ All entities are exposed via API

SIMPLE INTEGRATION BY ANY SOFTWARE COMPANY

- ✓ REST API developed by Google JSON standards
- ✓ Bi-directional data synchronization enabled
- ✓ API documentation available
- ✓ List of recommended integration partners



TaskFertilizers	
GET	/TaskFertilizers Return all fertilizing activities for task (def. ordering: ID ASC)
POST	/TaskFertilizers Add new fertilizing activity in task
GET	/TaskFertilizers/{id} Return single fertilizing activity by ID
PUT	/TaskFertilizers/{id} Edit fertilizing activity by ID
DELETE	/TaskFertilizers/{id} Delete fertilizing activity by ID
TaskIrrigation	
GET	/TaskIrrigation Return all irrigation activities for task (def. ordering: ID ASC)
POST	/TaskIrrigation Add new irrigation activity in task
GET	/TaskIrrigation/{id} Return single irrigation activity by ID
PUT	/TaskIrrigation/{id} Edit irrigation activity by ID

Delivering Tangible Benefits

OPERATIONAL

- Better risk mitigation
- Timely decision-making
- Full operations management control
- Traceability and food safety compliance
- Simplified administration

OPERATIONAL

- Cost saving
- Yield volume increase
- Yield quality increase
- Higher profitability

SUSTAINABILITY & ESG

- Improved carbon footprint
- Support for scaling regenerative practices
- Labor demographics and utilization control



REAL-LIFE CUSTOMER RESULTS

23% REDUCTION on input costs use with AGRIVI precision agriculture tools. ✓

UP TO 15% PROFIT MARGIN INCREASE through farm operation optimization. ✓

13% AVERAGE YIELD INCREASE across farmers in a supply chain. ✓

20-25% LESS CROP WASTE due to pesticide residues. ✓

PERFECT ROI

Up to **11 USD back for each**
1 USD invested in AGRIVI.



Let's Build
a Sustainable **Future**
Together.

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