

PLAN



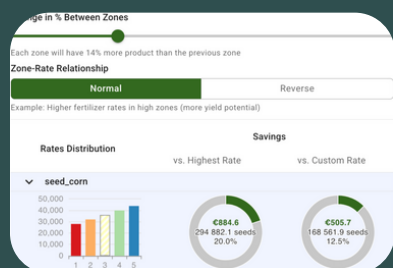
Soil Analytics – Sampling plans, nutrient, EC maps
Field Potential – multi-layer zones, limiting factors

Analyze



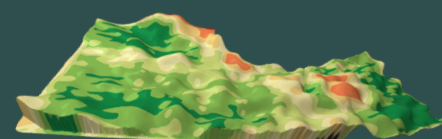
Profit & ROI – fields and zones profitability
Trials analytics & product performance results
Yield & NUE – cleaned yield, nutrient efficiency calculations

Prescribe



Rx Maps/VRA – seeding, fertilizing, crop protection, herbicide, desiccation
Machinery Data – field operations verifications

Automate



Reporting – branded, shareable
AI & MCP – talk to your fields
API – Enterprise system integration

Satellite data

- Multispectral: LANDSAT4-9, SENTINEL2, PLANET

Machinery data

- As-Applied datasets of fertilizing, sprayings
- As-Planted data
- Yield data: Grain moisture, Protein, Oil Content

High-density ground scanner data

- Electrical conductivity
- Soil moisture & Nutrients

Soil sampling data

- Laboratory analysis

Topography

- LIDAR
- ASTER, SRTM, Local country data
- Based on GPS data



Variable Rate Application maps for PrecisionAg

- fertilization
- desiccation
- seeding
- soil sampling
- crop protection

Equation Based Analytics

- Profit Maps
- Nutrient Use Efficiency
- Uptake Calculations
- Accuracy of As-Applied

Custom Analytics Pipelines

Scouting & Soil sampling recommendations

Benchmarking

- field heterogeneity
- field potential
- field current performance
- yield limiting factors

Integration with the John Deere Ops Center

Biodiversity & Regenerative Ag

API consumers

- Platforms and Services
- Mobile App
- Web Apps

