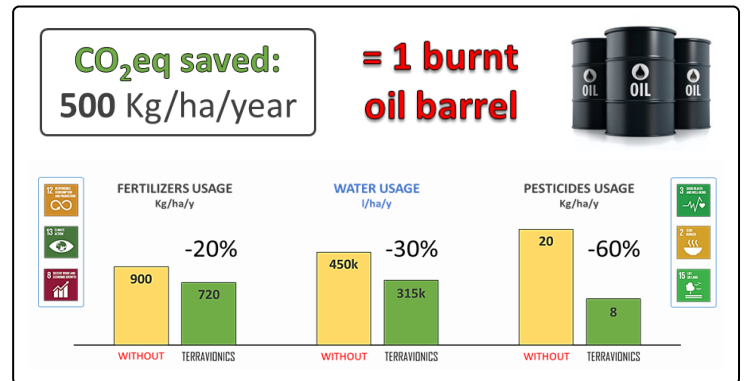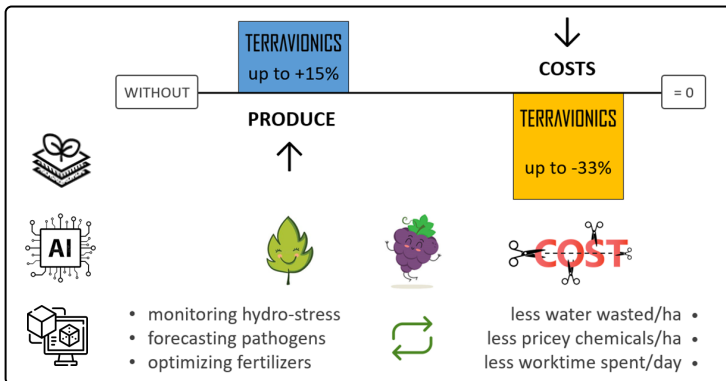# TERRAVIONICS

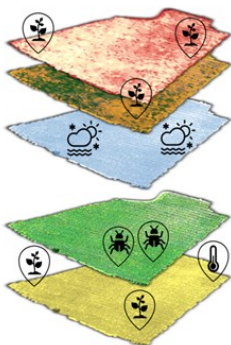*Empowering grape-growers with sustainable Agritech*

INCREASING VALUE PER HECTARE VIA PERFORMANCE
in two complementary ways (↑ produce, ↓ costs)

We improve vineyard value via performance, by enhancing plant health and enabling proactive actions, while dropping costs and environmental impact via resource optimization, with a multisource approach.

WITHOUT — PRODUCE: TERRAVIONICS up to +15% — COSTS: ↓ = 0 — TERRAVIONICS up to -33%

AI

- monitoring hydro-stress
- forecasting pathogens
- optimizing fertilizers

- less water wasted/ha
- less pricey chemicals/ha
- less worktime spent/day

CO$_2$eq saved: 500 Kg/ha/year **= 1 burnt oil barrel**

	FERTILIZERS USAGE Kg/ha/y	WATER USAGE l/ha/y	PESTICIDES USAGE Kg/ha/y
WITHOUT	900	450k	20
TERRAVIONICS	720 (−20%)	315k (−30%)	8 (−60%)

Data-driven integration of satellite, weather, sensor and drone/rover data with A.I., feeding a mathematical model (Digital Twin) of the field. The system is designed to manage criticalities, namely climate change-related: productivity, profitability, complexity. The present focus is on viticulture, however **TERRAGRID**, our Agritech solution, is scalable by-design.

Service
- Satellite data
- Weather data

Products
- Drone data
- Plant sensors

My Field #1 — TERRAGRID — INDEX 69% — ACTIONS / TIMING / TOOLS / SCENARIOS

Our mission is to take care of the analytics complexity, empowering farmers with feasible solutions, to make better and proactive decisions.

So that our users can focus on creating their "unique" product.

At their best.

www.terravionics.com