



AUGMENTA
PRECISION AGRICULTURE · REDEFINED

Augmenta Field Analyzer

100% Automated VRA Control



What does it do?

Augmenta maximizes the potential of every single acre. Our Field Analyzer scans crop health inch-by-inch, calculates the required fertilizer rate and applies it using existing sprayers/spreaders - all in real-time. Installation is simple "plug & play". The fully automated system requires minimum operational effort.



How does it work?

Augmenta introduces a new generation of passive sensor (patent pending). It combines a 5-spectrum, 4K-camera system, multiple environmental/light sensors and an advanced A.I. engine¹ to provide a universal crop health index and apply the calculated fertilizer rate.

¹Running on an on-board supercomputer.



Plug & Play system

Easily mounts on any tractor or sprayer; it can control ISOBUS, be retrofitted to old equipment or connect via custom CAN protocol.



100% Real-Time operation

Plant health detection during operation; the system instantly calculates the required crop input dosage and applies it as tractor moves along the field. PGR, Defoliant (and nitrogen).



Camera vs Sensor

Constant AI-adjusted camera system provides a wider field-of-view (40m) and much higher resolution compared to active sensors with single value output.



Affordable

Pay as you go, based on your needs.

Augmenta's world presence



"All the parts are designed for quick assembly and the installation is extremely simple: no time wasted."

FRANCE
Pierre Prim, DG Agricat



"Augmenta is the most "real" real-time system I've ever used."

ARGENTINA
Federico Framarini, CEO AgroPraxes.

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Web platform

Real-time (2G/3G) or post-operational in depth field analytics.

• Field Analytics

- Vegetation Index Maps (Augmenta Index, NDVI and more)
- AI-detected, 4K snapshots of areas of interest
- Downloadable detailed field report generation
- Import/Export Shapefiles

• Fleet monitoring

- Tractor location & covered acres
- Machinery analytics (active/down time)
- Speed and application rate/analysis

• Financial Data

- Augmenta system ROI/acre estimation²
- Historical financial data

100% Autonomous, Real-Time Nitrogen, PGR & Defoliant Application

Supported Crops:

**Cotton | Wheat | Durum wheat | Corn | Soybeans
Sugarcane | Rye | Oats | Barley | Rapeseed**

Same Hardware, additional features

New supported crops, features & operations will be available via over-the-air software updates.³



Crop Status: **MILD NITROGEN DEFICIENCY**
Rate: 231 lb/ac

Crop Status: **NITROGEN DEMAND**
Rate: 180 lb/A

² Provided an available yield map

³ Augmenta R&D is working on additional operations like pesticide and fungicide selective spraying, plant counting and more. Details and timelines of future features will be announced soon.



AUGMENTA

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