COLTIVARE 2025 Product Catalog

Intelligent Tools for a Growing World

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A Message from Our CEO, Dr. Eleanor Vance

"Welcome,

Farming is in my blood. I grew up understanding that our land is both a gift and a profound responsibility. At Coltivare, we carry that same ethos into everything we build.

We believe technology should feel like a trusted farmhand—it should be reliable, intuitive, and always working to make your job easier. This catalog showcases the tools we've developed not just in a lab, but in collaboration with farmers like you. Our goal is simple: to help you increase profitability, enhance sustainability, and build a stronger legacy for the generations to come.

Thank you for your partnership."

Dr. Eleanor Vance Founder & CEO, Coltivare

The Coltivare Ecosystem

Data, Insight, Action

The Coltivare Ecosystem is a fully integrated solution that gives you a complete picture of your farm's health. Our devices collect precise data, which is then analyzed by our powerful software to give you simple, actionable recommendations.

- Collect Data (Hardware): Our rugged TerraSense Probes and AeroScout Drones capture millions of data points on soil, water, and plant health.
- 2. Analyze & Predict (Software): The Coltivare Command

 Platform processes this data in real-time, using AI to identify
 patterns and predict issues before they become problems.
- 3. Act with Confidence (Your Farm): You receive clear alerts and create variable-rate maps for irrigation and fertilization, ensuring you apply resources exactly where and when they're needed most.

Hardware | TerraSense Soil Probe

TerraSense Soil Probe

The **TerraSense Probe** is a multi-depth soil sensor that gives you a real-

time understanding of the conditions below the surface. Stop guessing

and start knowing precisely what your crops need.

Key Features

Multi-Depth Sensing: Measures soil moisture, salinity, and

temperature at three distinct root depths (15cm, 30cm, 60cm).

Nutrient Analysis: Provides in-place readings for critical

macronutrients (N-P-K), reducing the need for frequent lab

sampling.

All-Weather Durability: Built with industrial-grade materials to

withstand any season (IP67 rated).

"Set & Forget" Installation: Easy to install and powered by a 5-

year solar-assisted battery.

Technical Specifications

• Connectivity: Cellular LTE-M / LoRaWAN

Battery Life: 5+ years (Solar-assisted)

SKU: CS-TS45-25

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• **Price:** Inquire for enterprise pricing.

Hardware | AeroScout Imaging Drone

AeroScout Imaging Drone

The **AeroScout Drone** provides on-demand aerial imagery to help you

spot issues you can't see from the ground. Identify crop stress, pest

pressure, and irrigation problems early to protect your yield.

Key Features

High-Resolution Multispectral Camera: Captures NDVI, NDRE,

and RGB imagery to create detailed crop health maps.

Autonomous Flight Planning: Easily map flight paths in the

Coltivare Command app. The drone will take off, fly the mission,

and land on its own.

Plant-Level Detail: 2cm/pixel resolution allows for accurate stand

counts and weed identification.

Rapid Data Processing: Images are automatically uploaded and

processed, with health maps available in under an hour.

Technical Specifications

Flight Time: 35 minutes per battery

• Coverage: Up to 250 acres per flight

SKU: CS-AD12-25

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• **Price:** Inquire for enterprise pricing.

Software | Coltivare Command Platform

Coltivare Command Platform

Coltivare Command is the intelligent hub where all your farm's data comes together. It transforms raw numbers from your probes and drones into a clear, actionable plan for your entire operation. It's accessible from any computer, tablet, or smartphone.

Key Features & Modules

- Unified Farm Map: View all your fields in one place, layered with data from soil sensors, drones, and satellites.
- Smart Irrigation Scheduling: Get recommendations on when and how much to water based on soil moisture data and weather forecasts.
- Fertility Management: Create precise, variable-rate prescription maps for fertilizer application, cutting costs and environmental impact.
- Health Alerts: Receive automatic notifications on your phone
 when the system detects potential issues like water stress or
 nutrient deficiencies.

Success Story

Success Story: Oak Valley Farms

Challenge: Oak Valley Farms, a 3,000-acre corn and soybean operation,

was struggling with inconsistent water retention across their fields,

leading to high irrigation costs.

Solution: They deployed 50 TerraSense Probes and used the Coltivare

Command Platform to create variable-rate irrigation plans.

Result:

"For the first time, we weren't just guessing. The Coltivare system showed

us exactly where our water was going. In the first year alone, we cut our

water usage by 22% and saw a 15% increase in yield in our most

problematic fields. It paid for itself in one season."

- David Chen, Owner, Oak Valley Farms

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Support & Partnership

We Grow With You

When you partner with Coltivare, you get more than just technology—you get a dedicated team of experts.

Dedicated Onboarding Specialist

From day one, a specialist will help you with installation, setup, and training to ensure your team is confident using the entire Coltivare ecosystem.

24/7 Technical & Agronomic Support

Our support team is available around the clock. Whether it's a technical question about a sensor or an agronomic question about the data you're seeing, we're here to help.

Continuous Improvement

We provide free software updates for life. As we develop new technology and features, you'll be the first to benefit.

Contact

Ready to Take Command of Your Field?

Let's discuss how the Coltivare ecosystem can be tailored to your operation's unique needs.

Schedule a Free, No-Obligation Demo Today.

Our product specialists can provide a live walkthrough of the Command Platform and build a custom hardware quote based on your acreage and crop types.

Visit Us Online www.coltivare-ag.com

Email Our Sales Team sales@coltivare-ag.com

Call Us 1-800-555-AGRI (2474)

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 Soil Sensing on Irrigation Efficiency in the American Midwest." West Lafayette
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