



# Advanced microbial expertise to validate and enhance your biosolutions

Microbial inputs are now essential tools for improving nutrient use efficiency, plant resilience and soil health. RITMO Agroenvironnement® provides rigorous, sciencedriven assessments of biomolecule and microbial biocontrol and biostimulation products to substantiate performance, optimize formulations, and facilitate regulatory compliance.

## What We Assess

Our microbiology platform evaluates the key parameters governing the performance and persistence of microbial products within the soil–plant system:

- **Soil microbial community function** (respiration, enzymatic activity, CO<sub>2</sub> production)
- **Rhizosphere–microorganism interactions** and functional markers
- **Persistence and competitiveness** of target strains through DNA quantification
- **Effects on beneficial fungi** such as mycorrhizae
- **Standardized activity testing**, including OxiTop® and MicroResp™ analyses

These insights clarify mode of action and help position products with confidence.

## How We Support Product Development

We generate high-quality, reproducible data on:

- Microbial viability and persistence
- Functional activity related to plant nutrition and soil performance
- Effects on nitrogen (N), carbon (C), and phosphorus (P) dynamics
- Compatibility with fertilization programs
- Environmental safety indicators

All evaluations rely on **ISO and NF standard methods** to ensure high credibility.

## **From Data to Market Confidence**

For microbial biostimulants, inoculants, biofertilizers and biocontrol agents, we support manufacturers in:

- Demonstrating product performance
- Strengthening technical differentiation
- Building regulatory-ready dossiers
- Optimize formulation strategies

## **Why RITTMO Agroenvironnement®**

With over 20 years of combined expertise in scientific, agronomic and regulatory affairs, RITTMO provides the robust data, in-depth analysis and strategic guidance required to efficiently advance innovative biomolecule and microbial solutions from development to market.

